

PSAT/NMSQT

Paper Test Directions

Translated into Hmong for Students

Notes to the Proctor

Using this document on test day:

Distribute this document once students are seated.

Students may use this document to read translations of the directions that are read aloud or printed in their test book. Students may keep this document open and on their desk during the entire testing period. Students may **not** be given additional time, unless approved by College Board as a separate accommodation.

Collect this document from each student at the end of testing and securely destroy it.

IMPORTANT: *Students must not sign in to Bluebook on test day for any reason, including section timing. All timing **MUST** be administered by the proctor using the Paper Testing Script. Use of Bluebook will cause a misadministration and require a retest.*

Cov Lus Cim rau Tub Ntxhais Kawm

Cov hauv qab no yog kev txhais cov lus qhia uas koj tus xib fwb soj ntsuam xeeem ntawv yuav nyeem nrov, nrog rau cov lus qhia sau hauv koj phau ntawv xeeem. Raws qab koj tus xib fwb soj ntsuam xeeem ntawv nyeem nrov cov lus qhia sau ua lus Askiv. Yog tias koj muaj lus nug txog koj tug xib fwb soj ntsuam xeeem ntawv nyeem dab tsi, thov tsa koj txhais tes.

- Cov lus qhia txhais no yuav tsis phim ib lo lus mus rau ib lo lus uas tau nyeem los ntawm koj tus xib fwb soj ntsuam xeeem ntawv; txawm li cas los xij, cov ntaub ntawv tseem ceeb yog tib yam.
- Koj tus xib fwb soj ntsuam xeeem ntawv tej zaum hla qee qhov lus qhia uas tsis siv rau hauv koj qhov kev xeeem ntawv.
- Koj tuaj yeem khaws cov ntaub ntawv no rau ntawm koj lub rooj rau tag nrho lub sijhawm xeeem ntawv, tab sis yuav tsum muab rov qab mus rau tus xib fwb soj ntsuam xeeem ntawv tom qab xeeem tag.
- Koj TSIS tau siv daim ntawv no rau daim ntawv kos ua qauv.
- Nyob rau ntau lub sijhawm, koj tus xib fwb soj ntsuam xeeem ntawv yuav tshaj tawm lub sijhawm tshuav nyob feem xeeem ntawv, nrog rau sijhawm so thaum tsim nyog. Yog tias koj tab tom sim nrog ib qho chaw nyob tau cai, cov lus tshaj tawm no yuav txawv ntawm lub sijhawm thiab cov sijhawm so uas tau teev tseg hauv daim ntawv txhais lus no. Thov ua tib zoo mloog cov lus tshaj tawm uas tau nyeem los ntawm koj tus xib fwb soj ntsuam xeeem ntawv.
- Yog tias koj tab tom sim nrog ib qho chaw nyob tau cai, koj tus xib fwb soj ntsuam xeeem ntawv tej zaum yuav muab cov lus qhia ntxiv rau koj ua lus Askiv.
- Cov cim yuav raug siv thoob plaws qhov ntaub ntawv no kom koj pom cov ntaub ntawv qhia tshwj xeeb:



Cov ntaub ntawv qhia tshwj xeeb



Cov kev qhia yuav tshwm hauv koj phau ntawv xeeem ntawv

Tag nrho cov lus qhia tau hais los ntawm koj tus xib fwb soj ntsuam xeeem ntawv.

Txog National Merit Scholarship Corporation (NMSC)

NMSC® yog ib lub koom haum tsis yuav nyiaj, twm zeej uas ua hauj lwm tsis yuav tsoom fwv kev pab. NMSC ua Qhov National Merit® Scholarship Program, kev sib tw kev kawm txhua xyoo rau kev lees paub thiab nyiaj pab kawm ntawv qib siab.

Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®), Uas yog Tsev Kawm Ntawv College Board thiab NMSC txhawb nqa , yog txoj kev los txais National Merit Scholarship Program. Yog tias koj muaj lus nug txog txhua yam ntawm National Merit Scholarship Program, suav nrog cov kev xav tau rau cov tub ntxhais kawm los thov kev pab, cov txheej txheem xaiv, thiab khoom plig muab, mus saib www.nationalmerit.org.

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2 Zoo Siab Txais Tos

Zoo Siab Txais Tos. Hnub no koj tab tom ua Preliminary SAT/National Merit Scholarship Qualifying Test, kuj tau paub hu ua PSAT/NMSQT, qhov uas tsom rau yam koj tab tom kawm no. Nws tseem yog lub sijhawm los xyaum SAT thiab tsim nyog tau cov kev pab cuam nyiaj kawm ntawv.

Ua ntej koj pib qhov kev xeem, kuv yuav nyeem qee cov lus qhia thiab muab qee phau ntawv qhia rau koj los tshuaj xyuas thiab ua kom tiav. Kuv tseem yuav muab cov ntaub ntawv hais txog koj qhov chaw nyob. Thiab yog tias koj nqa lub laij lej, kuv yuav pab kom nws tau txais yuav.

Thov ua tib zoo mloog cov lus qhia no.

Yog koj mua xov tooj, teev tsoob ntse, lossis lwm yam khoom raug txwv, muab lawv tua thiab muab lawv tshem mus tam sim no.

Ntawm koj lub rooj, koj yuav tsum muaj koj daim pib kos npe, cwj mem qhuav, lub laij lej uas tau xai thiab lub laij lej pab ntiv, yog tias koj koj lawv, thiab txhua yam khoom pab uas koj tau pom zoo siv los ua chaw nyob. Nco ntsoov tshem tag nrho cov qauv khaws tseg ntawm koj lub laij lej.

Yog tias koj nqa khoom noj txom ncauj, dej haus, daim npog lub laij lej, lossis lwm yam khoom siv ntxuav tes xws li tshuaj ntxuav tes, thov tso cov khoom no tso hauv koj lub qab rooj. Thov tshem tawm lwm yam khoom ntawm koj lub rooj thiab muab tso rau hauv koj lub hnab rau pem hauv ntej lossis ib sab ntawm chav.

Koj yuav tsum muaj 1 daim ntawv kos ua qauv, uas kuv yuav sau tom qab kev xeem, yog li tsis txhob dua nws. Sau koj lub npe tag nrho nyob rau sab xis saum toj kawg nkaus. Yog tias koj tsis muaj daim ntawv kos ua qauv, qhia rau kuv paub thaum kuv tuaj ntawm koj lub rooj. Tam sim no kuv yuav mus los ib ncig ntawm chav tsev kom paub meej tias koj lub rooj twb huv thiab npaj txhij los xeem ntawv lawm.

3 Cov lus qhia rau cov tub ntxhais kawm rau Qee Qhov Chaw Nyob

 Koj tus xib fwb soj ntsuam xeeb ntawv yuav nyeem cov lus qhia hauv qab no rau koj lossis cov neeg pab ua hauj lwm. Yog tsis li ntawd, lawv yuav hla los mus npaj rau xeeb ntawv lawm.

Rau cov tub ntxhais kawm xeeb ntawv siv tev naus laus zis (technology) los pab, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Yog tiag koj siv tev naus laus zis (technology) tau tso cai los pab, tam sim no yog sijhawm rau saib kom nws ua tau hauj lwm. Yog tias koj kho koj qhov chaw thaum lub sijhawm xyaum, koj yuav tsum rov ua qhov kauj ruam no tam sim no. Nco ntsoov, koj tuaj yeem siv cov yam ntxwv ua nyob ntawm koj lub cuab yeej koos pis tawj.

Rau cov tub kawm xeeb ntawv uas nyeem ntawm lawv tug kheej xwb, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Cov neeg nyeem yuav tsum nyeem cov lus nug nrov - nrov raws li tau hais qhia. Nws yog ib qho tseem ceeb kom lawv nyeem yog raws nraim qhov muaj nyob hauv tsab ntawv. Lawv yuav tsum tsis txhob piav qhia, txawm tus tub kawm ntawv nug.

Rau cov tub ntxhais kawm ntawv xeeb nrog tus sau ntawv, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Cov kws sau ntawv yuav tsum sau yog cov lus teb xwb thiab kev kho uas cov tub ntxhais kawm hais. Lawv tsis tau cai ua rau tus tub ntxhais kawm ntawv yam li kom muaj kev sib txawv hauv kev xeeb. Cov kws sau ntawv yuav nyeem cov tub ntxhais kawm cov lus teb rau lawv yog tias cov tub ntxhais kawm xav tshuaj xyuas lawv txoj haujlwm.

Rau cov tub ntxhais kawm ntawv xeeb nrog hom ntawv su rau cov neeg tsis pom kev, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Qhov kev xeeb hom ntawv su tau muab faib ua ob peb phau ntawv. Koj yuav tau txais 1 phau ntawv rau ib zaug. Thoob plaws hauv qhov kev xeeb, txhua lo lus nug raug cais los ntawm ib txoj kab ntxiv. Txhua lo lus nug pib hauv cell 1, nrog cov txuas ntxiv pib hauv cell 5. Txhua qhov kev xaiv teb pib hauv cell 3 nrog cov txuas ntxiv pib hauv cell 5.

Cov ntawv Su yog nyob rau hauv Unified English Braille (UEB). Cov feem Lej yog nyob rau hauv Nemeth Code hloov kho xyoo 1972. Phau ntawv qhia txog lej su muaj cov qauv lej thiab cov lus qhia siv nrog rau txhua ntu lej. Koj qhov kev xeeb suav nrog cov kab kos duab kab thiab lej siv hauv qhov kev xeeb. Ntu Kev Nyeem thiab Sau Ntawv yog nyob rau qib 2 tsis tu ncua Braille.

4 Npaj los Xeem Ntawv

Feem Sau thiab Nyeem Ntawv thiab feem Lej ib feem muaj 2 zaj qauv, muaj sij hawm ua sib txawv. Kuv yuav tshaj tawm lub sijhawm pib thiab xaus rau txhua zaj qauv ntawm no [*Koj tug xib fwb soj ntsuam xeem ntawv yuav qhia cov kev tshaj tawm no nyob qhov twg*], thiab kuv yuav tshaj tawm thaum txhuav 5 feeb ntixiv rau txhua zaj qauv.

Kuv yuav ncig mus los hauv chav xeem ntawv kom paub tseeb tias txhua tus tub kawm tab tam ua yog zaj qauv. Rau qhov kev xeem no, koj tau ua 1 zaj qauv rau tib lub sij hawm xwb. Qhov no yuav txawv ntawm qhov koj tau ua dua los, yog li nco ntsoov tsis txhob txav mus tom ntej lossis rov qab saib hauv phau ntawv xeem, txawm tias koj ua tiav cov qauv tam sim no.

Thaum kev xeem ntawv dhau lawm, thov zaum twb ywm thiab tsis txhob tawm hauv chav mus txog thaum kuv tso koj tawm. Yog koj muaj lus nug ntixiv, koj kav tsij nug tam sim no. Yog koj xav tau kev pab lossis tau ntawv ua qauv ntixiv, tsa koj sab teg thiab kuv mam los muab rau koj. Nco ntsoov sau koj npe thiab xeem rau saum daim ntawv ua qauv. Paug muaj leej twg muaj lus nug lawm?

Kuv yuav muab koj daim ntawv xeem rau koj tam sim no. Tsis txhob tau qib nws.



Saib cov lus txhais sab nrau koj phau ntawv xeem, raws li feem hauv no.

Ntxeev mus rau plooj ntawv tom qab koj daim ntawv xeem thiab sau ko lub xeem, npe thiab npe nruab nrab, yog tiag koj muaj. Koj tuaj yeem nrhiav pom lub npe tsev kawm, tus code tsev kawm College Board, thiab peb lub chav tug nab npawb sau saum daim board. Thaum koj ua tiav tag kauj ruam no, thov tso koj tug cwj mem thiab saib tuaj rau kuv.

Kuv yuav faib ib daim ntawv theej cov *Paper Test Taker Administration Instructions* (kev qhia *Tswj Xyuas Neeq Xeem Ntawv*) rau nej txhua tug.

Qhov kev xeem ntawv uas koj yuav xeem yog ib hom ntawv digital PSAT/NMSQT. Thaum cov tub ntshais kawm ua tiav kev teeb tsa hauv Bluebook, daim ntawv thov kev xeem digital, lawv pom thiab teb rau cov ntaub ntawv tseem ceeb. Daim ntawv qhia uas kuv nyuam qhuav muab rau koj muaj tib yam ntaub ntawv.

Qhib koj daim ntawv qhia mus rau plooj ntawv 3 thiab nyeem hauv qab **Student Starts Here (Tub Kawm Pib Ntawm No)**. Ua raws li cov lus qhia, uas suav nrog ua kom tiav qee cov ntaub ntawv sab ua ntej. Koj tuaj yeem pom koj tus lej sau npe ntawm koj daim pib kos npe. Tsa koj txhais tes yog tias koj xav tau kev pab nrhiav ib qho ntawm cov ntaub ntawv xav tau. Thaum koj ua tiav lawm, muab koj tus cwj mem cia thiab saib tuaj rau kuv.

Tam sim no koj yuav tau nyeem thiab ua kom tiav cov seem ntawm *Paper Test Taker Administration Instructions* (kev qhia *Tswj Xyuas Neeq Xeem Ntawv*). Nws tseem ceeb los nyeem tag nrho cov ntaub ntawv kom zoo. Ua ntej tshaj plaws, koj yuav nyeem ib feem lus hu ua **Use of the Bluebook App (Siv Lub Bluebook App)**. Feem lus no piav qhia seb koj cov lus teb yuav raug muab sau tseg li cas

los ntawm koj phau ntawv xeeb rau hauv Bluebook app. Thaum koj nyeem ntawv tiav lawm thiab kos lub npov tom kawg feem no kom pom tias koj pom zoo rau cov cai no, muab koj tus cwj mem cia thiab saib tuaj rau kuv.

Tom ntej no, koj yuav muaj 15 feeb los nyeem thiab pom zoo rau cov cai xeeb rau qhov kev xeeb no. Kuv yuav nrho tawm tug uas ua txhaum txoj cai, thiab lawv cov qhab nia yuav raug muab tshem tawm. Lawv kuj tseem yuav raug txwv los xeeb College Board cov kev xeeb yav tom ntej.

Thaum koj nyeem ntawv tiav lawm thiab kos lub npov tom kawg feem no kom pom tias koj pom zoo rau cov cai no hauv qab no, nyeem ntawv qhov **Privacy Statement (Lus Hais Ntiag Tug)** kom nkag siab tiag College Board saib koj qhov cai ntiag tug zoo npaum cag. Thaum koj mus txog nplooj ntawv uas pib nrog **Get Test Scores Delivered Right to Your Phone (Tau Txais Cov qhab nia xeeb xa Ncaj Qha Tuaj Rau Koj Lub Xov Tooj)**, thov nres nyeem ntawv thiab saib tuaj rau kuv.

Tam sim no koj yuav tau nyeem los ntawm qee cov ntsiab lus xaiv ntawm College Board cov txheej txheem pab cuam thiab cov kev pabcuam. Thaum koj nyeem mus txog feem lus mua npe hu **Digital Test Security (Kev Nyab Xeeb Xeeb Ntawv Digital)** nyib ntawm plooj ntawv kawg, thov nres nyeem ntawv thiab saib tuaj rau kuv.

Peb yuav luag tag nrog phau ntawv qhia no. Thov nyeem cov lus ceeb toom txog cov cai uas siv rau qhov kev xeeb no. Txhawm rau kos npe rau koj qhov kev pom zoo nrog cov cai no, sau daim ntawv pov thawj kev nyab xeeb uas tau muab rau hauv qab daim ntawv teev cov cai. Thaum koj ua tiav lawm, thov muab koj tus cwj mem thiab saib tuaj.

Thov tshuaj xyuas 4 daim ntaub ntawv teev npe hauv **Confirm Your Info on Your Test Book (Kev Pom Zoo Koj Cov Ntaub Ntawv ntawm Koj Phau Ntawv Xeeb)**, tom qab ntawd tig mus rau sab tom qab ntawm koj phau ntawv xeeb thiab lees paub tias koj cov ntaub ntawv tau sau meej lawm, lossis ntxiv cov ntaub ntawv yog rau tam sim no. Tom qab ntawd, saum koj lub npe nyob rau sab kawg ntawm phau ntawv xeeb, luam koj tus lej sau npe los ntawm koj daim pib kos npe rau. Cov ntaub ntawv no yuav pab College Board dhos tau koj phau ntawv xeeb thiab cov lus teb nrog koj cov ntawv sau. Thaum koj ua tiav lawm, thov muab koj tus cwj mem thiab saib tuaj.

Ua tsaug rau koj ua tiav cov ntaub ntawv no. Thov kaw koj phau ntawv thiab muab tso rau hauv koj lub qab rooj.

4.1 Cov Kev Qhia Ntawm Daim Khaum Ntawv



Hauv qab no yog ib qho kev txhais daim khaum ntawv ntawm koj phau ntawv xeeem. Thaum qhia, koj yuav tsum sau rau hauv koj phau ntawv xeeem, tsis yog daim ntawv no.

Koj Lub Npe (Sau)	LUB XEEM	LUB NPE	LUB NPE NRUAB NRAB
Tsev Kawm	NAB NPAWB TSEV KAWM	NPE TSEV KAWM	NPE/NAB NPAWB CHAV KAWM

PSAT/NMSQT

COV KEV QHIA TXHUA YAM

- Koj yuav ua ib zaj qauv ib zaug nkaug xwb.
- Yog tias koj ua tiav ib zaj qauv ua ntej lub sijhawm tag, xyuas koj cov haujlwm ntawm zaj qauv ntawv nkaus xwb. Koj yuav tsis tig mus rau lwm zaj qauv.

NTAUS CIM KOJ COV LUS TEB

- Nco ntsoov teb koj cov lus nug kom yog rau hauv phau ntawv no.
- Voj voog ib lo lus teb rau ib lo lus nug xwb. Yog tias koj hloov siab, so tag nrho lub voj voog tawm. Koj yuav tsis tau txais credit rau cov lus nug uas kos voj voog ntau tshaj ib lo lus teb, lossis rau cov lus nug uas tsis kos voj voog rau ib lo lus teb twg li.

SIV KOJ DAIM NTAWV XEEM

- Koj tuaj yeem siv koj daim ntawv xeeem ua ntawv kos qauv.
- Koj yuav tsis tau quav lossis tshem cov nplooj ntawv lossis ib feem ntawm nplooj ntawv los ntawm phau ntawv no, lossis nqa phau ntawv lntawm chav xeeem ntawv.

KEV NYAB XEEB XEEM NTAWV

Koj yuav tau ua raws cov cai hauv qab no rau kev xeeem ntawv nim no:

- Koj yuav tsis tau muab lossis tau txais kev pab thaum lub sijhawm xeeem. Koj tsis tuaj yeem qhia lossis tshaj tawm txhua yam ntsig txog qhov kev xeeem no.
- Koj cov lus teb yuav tsum yog los ntawm koj tus kheej nkaus xwb. College Board yuav tshuaj xyuas koj cov lus teb.
- Yog tias koj sim dag, koj cov qhab nia yuav raug muab pov tseg, cov chaw ua hauj lwm tshawb qhov tseeb hauv tsev kawm qib siab yuav tau txais ceeb toom, thiab koj yuav raug tsis tsim nyog los xeeem AP®, SAT®, or CLEP® cov kev xeeem ntawv.

TUB NTXHAIS KAWM KEV POM ZOO

Txhawm rau kom koj qhov kev xeeem kom tau qhab nia, koj yuav tsum nyeem cov lus hauv qab no, kos cim rau tom ntej ntawm “I agree,” (“Kuv pom zoo,”) thiab kos koj lub npe rau.

Kuv yog tus uas yuav tsum xeeem qhov kev xeeem no. Kuv pom zoo ua raws li cov cai saum toj no thiab nkag siab tias yuav muaj dab tsi tshwm sim yog tias kuv ua txhaum lawv.

☐ Kuv pom zoo

Kuv lub npe kos: _____

Cov tswv yim muaj nyob rau hauv nqe lus rau qhov kev xeeem no, ib co ntawm cov lus tau nrho tawm lossis hloov kho los ntawm cov ntaub ntawv luam tawm, tsis tas yuav sawv cev rau cov kev xav ntawm College Board.

TSIS TXHOB QHIB DAIM NTAWV NO MUS TXOG THAUM TUG XIB FWB SOJ NTSUAM XEEM NTAWV KOM KOJ QHIB.

5 Zaj Qauv 1: Nyeem thiab Sau Ntawv

 Sij hawm raws li tus qauv cai rau zaj qauv no yog **39 feeb**. Yog tias koj tab tom sim yuav kev tso cai xwb, koj lub sij hawm thiab kev so yuav sib txawv. Thov ua tib zoo mloog cov lus tshaj tawm uas tau nyeem los ntawm koj tus xib fwb soj ntsuam xee ntawv. Qhov kev txhais cov kev qhia xee ntawv yuav tshwm raws li cov kev qhia uas hais uas tau ntshais lawm.

Peb yuav pib xee zaj qauv thib ib ntawm feem Nyeem thiab Sau Ntawv. Thaum peb pib lawm, nej yuav muaj ____ feeb los ua Zaj Qauv 1. Kuv yuav tshaj tawm lub sijhawm pib thiab nres, thiab kuv yuav qhia rau nej paub thaum tshuav 5 feeb kawg.

Muab koj phau ntawv xee tso rau saum rooj. Koj tuaj yeem siv koj daim ntawv xee los ua qauv tab sis nco ntsoov tiag koj yuav tsum voj voog 1 lo lus teb meej lawm.

Yog tias koj ua tiav ua ntej lub sijhawm kuv tshaj tawm, koj tuaj yeem tshawb xyuas koj cov haujlwm hauv qhov zaj qauv no, tab sis koj yuav tsis mus rau lwm qauv kev xee. Yog tias koj npaj tau txhij xee ntshais mus, thov muab koj tus cwj mem cia thiab saib tuaj, tab sis tsis txhob xee ntshais txog thaum kuv tso cai koj.

Tam sim no, qhib koj phau ntawv xee rau zaj qauv thib ib hauv feem Nyeem thiab Sau Ntawv. Nyeem cov lus qhia thiab peb xee tau. Thov kom nej ua tau zoo.

Lub sij hawm pib tam sim no.

Thaum txhuav 5 feeb lawm xwb, koj tug xib fwb soj ntsuam xee ntawv yuav hais li no:

Nej tshuav 5 feeb los ua Zaj Qauv 1.

Thaum sij hawm tag lawm, koj tug xib fwb soj ntsuam xee ntawv yuav hais li no:

Nres sau ntawv thiab tso koj tug cwj mem tseg.

5.1 Cov Lus Qhia Zaj Qauv 1 Hauv Sau Thiab Nyeem Ntawv

 Cov hauv qab no yog kev txhais cov lus qhia hauv koj phau ntawv xee rau Kev Nyeem thiab Sau Ntawv Zaj Qauv 1.

33 NQE LUS NUG (SIJ HAWM RAWs TUS QAUv CAI)

COV LUS QHIA

Cov lus nug nyob hauv feem no qhia tau ntau yam kev txawj nyeem thiab sau ntawv tseem ceeb. Ib lo lus nug uas muaj ib lossis ntau zaj ntawv, uas tej zaum muaj li ib daim duab ncej lossis daim duab kab. Nyeem ib zaj ntawv thiab lus nug kom zoo, tom qab ntawv xaiv lo lus teb yog tshaj rau lo lus nug uas saib raws li zaj ntawv (cov zaj ntawv).

Txhua lo lus nug hauv feem no yog ntau txoj kev xaiv uas muaj plaub lo lus teb. Ib lo lus nug muaj ib lo lus teb yog tshaj.

6 Zaj Qauv 2: Nyeem thiab Sau Ntawv

 Sij hawm raws li tus qauv cai rau zaj qauv no yog **39 feeb**. Yog tias koj tab tom sim yuav kev tso cai xwb, koj lub sij hawm thiab kev so yuav sib txawv. Thov ua tib zoo mloog cov lus tshaj tawm uas tau nyeem los ntawm koj tus xib fwb soj ntsuam xeeb ntawv. Qhov kev txhais cov kev qhia xeeb ntawv yuav tshwm raws li cov kev qhia uas hais uas tau ntxhais lawm.

Peb yuav pib xeeb ntxiv rau zaj qauv thib ob feem Nyeem thiab Sau Ntawv. Thaum peb pib lawm, koj yuav muaj ____ feeb los ua zaj qauv 2. Kuv yuav tshaj tawm lub sijhawm pib thiab nres, thiab kuv yuav qhia rau nej paub thaum tshuav 5 feeb kawg.

Muab koj phau ntawv xeeb tso rau saum rooj. Koj tuaj yeem siv koj phau ntawv xeeb los ua qauv, tab sis nco ntsoov tias koj kos voj voog meej 1 lo lus teb xwb.

Yog tias koj ua tiav ua ntej lub sijhawm kuv tshaj tawm, koj tuaj yeem tshawb xyuas koj cov haujlwm hauv qhov zaj qauv no, tab sis koj yuav tsis mus rau lwm qauv kev xeeb. Yog tias koj npaj tau txhij xeeb ntxiv mus, thov muab koj tus cwj mem cia thiab saib tuaj, tab sis tsis txhob xeeb ntxiv txog thaum kuv tso cai koj.

Tam sim no, qhib koj phau ntawv xeeb rau zaj qauv thib ob hauv feem Nyeem thiab Sau Ntawv. Nyeem cov lus qhia thiab peb xeeb tau.

Lub sij hawm pib tam sim no.

Thaum txhuav 5 feeb lawm xwb, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais li no:

Nej tshuav 5 feeb los ua Zaj Qauv2.

Thaum sij hawm tag lawm, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais li no:

Nres sau ntawv thiab tso koj tug cwj mem tseg.

6.1 Cov Lus Qhia Zaj Qauv 2 Hauv Sau Thiab Nyeem Ntawv

 Cov hauv qab no yog kev txhais cov lus qhia hauv koj phau ntawv xeeb rau Kev Nyeem thiab Sau Ntawv Zaj Qauv 2.
33 NQE LUS NUG (SIJ HAWM RAWs TUS QAUv CAI)

COV LUS QHIA

Cov lus nug nyob hauv feem no qhia tau ntau yam kev txawj nyeem thiab sau ntawv tseem ceeb. Ib lo lus nug uas muaj ib lossis ntau zaj ntawv, uas tej zaum muaj li ib daim duab ncej lossis daim duab kab. Nyeem ib zaj ntawv thiab lus nug kom zoo, tom qab ntawv xaiv lo lus teb yog tshaj rau lo lus nug uas saib raws li zaj ntawv (cov zaj ntawv).

Txhua lo lus nug hauv feem no yog ntau txoj kev xaiv uas muaj plaub lo lus teb. Ib lo lus nug muaj ib lo lus teb yog tshaj.

7 Sij Hawm So

Peb yuav so ib plias tam sim no ua ntej peb pib ntu tom ntej. Thov ua tib zoo mloog cov cai no:

- Tsis txhob piav qhia cov lus nug hauv ntawv xeeb nrog leej twg lossis nkag mus rau txhua yam cuab yeej koos pis tawj thaum lub sijhawm so lossis lwm yam kev so thaum lub sijhawm xeeb ntawv.
- Yog tias koj yuav tsum tawm hauv chav tsev, tsuas yog mus rau thaj chaw tau cais tseg, kis kev taug mus los, lossis chav dej.
- Khoom txom ncauj thiab dej qab zib tsuas tau tso cai nyob rau hauv cov chaw cais tseg.
- Thov xav txog cov tub ntxhais kawm ua haujlwm hauv lwm chav thiab tsis txhob tham lus hauv kis kev taug mus los.

Rau cov tub ntxhais kawm uas xeeb ntawv rawg sij hawm, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Peb yuav pib xeeb ntawv dua 10 feeb tom ntej no.

Rau cov tub kawm ntawv uas ncuab sijhawm so lossis cov tub kawm ntawv uas tsim nyog tau txais sij hawm so los noj zaub mov noj, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Peb yuav pib xeeb ntawv dua 20 feeb tom ntej no.

Thaum so tag lawm, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais:

Thov caw los nyob ntawm chaw zaum. Tsis txhob qhib ib ntu ntawm qhov kev xeeb kom txog thaum kuv qhia rau koj.

8 Zaj Qauv 1: Kev Kawm Lej

 Sij hawm raws li tus qauv cai rau zaj qauv no yog **43 feeb**. Yog tias koj tab tom sim yuav kev tso cai xwb, koj lub sij hawm thiab kev so yuav sib txawv. Thov ua tib zoo mloog cov lus tshaj tawm uas tau nyeem los ntawm koj tus xib fwb soj ntsuam xeeb ntawv. Qhov kev txhais cov kev qhia xeeb ntawv yuav tshwm raws li cov kev qhia uas hais uas tau ntshais lawm.

Peb yuav xeeb txuas mus ntxiv thawj zaj qauv ntawm feem kawm Lej. Thaum peb pib lawm, nej yuav muaj ____ feeb los ua Zaj Qauv 1. Kuv yuav tshaj tawm lub sijhawm pib thiab nres, thiab kuv yuav qhia rau nej paub thaum tshuav 5 feeb kawg.

Nco ntsoov ua raws li cov lus qhia no:

- Khaws koj phau ntawv xeeb thiab lub laij lej rau saum koj lub rooj. Koj tuaj yeem siv koj phau ntawv xeeb los ua qauv, tab sis nco ntsoov tias koj kos voj voog meej 1 lo lus teb xwb.
- Tsis txhob sib koom lossis pauv koj lub laij lej.
- Yog tias koj muaj lub laij lej pab ntxiv lossis roj teeb, khaws lawv rau hauv koj qab rooj.
- Yog tias koj lub laij lej ua haujlwm tsis zoo thiab koj muaj roj teeb lossis lub laij lej pab ntxiv, tsa koj txhais tes. Kuv yuav los pab koj. Yog tias koj tsis muaj lwm lub pab ntxiv, kav txij xeeb ntxiv thiab ua kom tau zoo tshaj qhov koj ua tau.
- Yog tias koj ua tiav ua ntej lub sijhawm kuv tshaj tawm, koj tuaj yeem tshawb xyuas koj cov haujlwm hauv qhov zaj qauv no, tab sis koj yuav tsis mus rau lwm qauv kev xeeb. Yog tias koj npaj tau txhij xeeb ntxiv mus, thov muab koj tus cwj mem cia thiab saib tuaj, tab sis tsis txhob xeeb ntxiv txog thaum kuv tso cai koj.
- Tam sim no, qhib koj phau ntawv xeeb mus rau thawj zaj qauv hauv feem xeeb leej. Nyeem cov lus qhia thiab peb xeeb tau.

Lub sij hawm pib tam sim no.

Thaum txhuav 5 feeb lawm xwb, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais li no:

Nej tshuav 5 feeb los ua Zaj Qauv 1.

Thaum sij hawm tag lawm, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais li no:

Nres sau ntawv thiab tso koj tug cwj mem tseg.

8.1 Cov Lus Qhia Zaj Qauv Lej 1

 Cov hauv qab no yog kev txhais cov lus qhia hauv koj phau ntawv xeeb rau Lej Zaj Qauv 1.

27 NQE LUS NUG (SIJ HAWM RAWS TUS QAUV CAI)

COV LUS QHIA

Cov lus nug nyob hauv feem no qhia tau ntau yam kev txawj txog lej tseem ceeb.

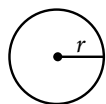
Tso cai siv lub laij lej rau tag nrho cov lus nug.

CIM CIA

Tshwj tsis yog muaj lwm yam kev qhia:

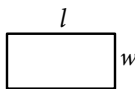
- Txhua qhov sib txawv thiab cov lus qhia sawv cev rau cov lej tiag.
- Cov duab uas muab los yog kos raws li ntsuas.
- Tag nrho cov duab nyob tiaj.
- Lub npe ntawm ib qho kev ua haujlwm f yog txheej ntawm tag nrho cov lej tiag x uas $f(x)$ yog tus lej tiag.

NTAWV PAB NTXIV

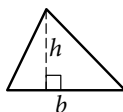


$$A = \pi r^2$$

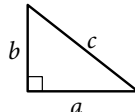
$$C = 2\pi r$$



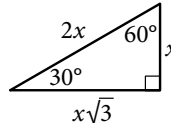
$$A = lw$$



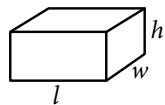
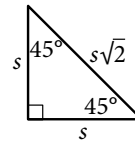
$$A = \frac{1}{2}bh$$



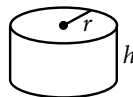
$$c^2 = a^2 + b^2$$



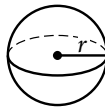
Tshwj xeeb txoj cai kaum
peb fab



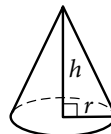
$$V = lwh$$



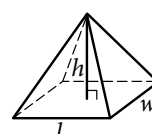
$$V = \pi r^2 h$$



$$V = \frac{4}{3}\pi r^3$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = \frac{1}{3}lwh$$

Qhov kev nkhaus degree hauv ib lub voj voog yog 360.

Qhov kev nkhaus radian hauv ib lub voj voog yog 2π .

Ntsuas tau tag nrho cov ceg kaum degree ntawm daim duab peb phab yog 180.

Rau ntau cov lus nug muaj ntau qhov kev xaiv, daws ib qhov teeb meem, xaiv lo lus teb yog los ntawm cov kev xaiv uas tau muab, thiab tom qab ntawd kos voj voog koj lo lus teb rau hauv phau ntawv no. Kos voj voog ib lo lus teb rau ib lo lus nug xwb. Yog tias koj hloov siab, so tag nrho lub voj voog tawm. Koj yuav tsis tau txais credit rau cov lus nug uas kos voj voog ntau tshaj ib lo lus teb, lossis rau cov lus nug uas tsis kos voj voog rau ib lo lus teb twg li.

Rau cov lus nug uas tub ntxhais kawm sau teb los, daws ib qhov teeb meem thiab sau koj cov lus teb ntawm ib sab lossis hauv qab nqe lus nug hauv phau ntawv xeeb raws li tau piav qhia hauv qab no.

- Thaum koj sau tau koj lo lus teb lawm, kos voj voog ncig kom meej. Koj yuav tsis tau txais credit rau tej yam tau sau sab nraum lub voj voog, lossis rau cov lus nug uas muaj ntau tshaj ib lub voj voog lus teb.
- Yog tias koj pom **ntau dua ib lo lus teb yog**, los tsuas sau thiab kos voj voog ib lo lus teb xwb.
- Koj lo lus teb tuaj yeem muaj txog 5 tus cim ntawv rau **ib lo lus teb zoo** thiab txog li 6 tus cim ntawv (nrog rau cov cim tsis zoo) rau **ib lo lus teb tsis zoo**, tab sis tsis tau ntau tshaj qhov ntawv.
- Yog koj lo lus teb yog **ib tug lej feem** uas ntev heev (tshaj 5 tug cim ntawv rau zoo, 6 tug cim ntawv rau tsis zoo), sau tug lej sib txig.

- Yog koj lo lus teb yog ib **tug lej cais** uas ntev heev (tshaj 5 tug cim ntawv rau zoo, 6 tug cim ntawv rau tsis zoo), txiav nws lossis yuav plaub tug tom ntej xwb.
- Yog koj lo lus teb yog ib **tug lej sib xyaw** (xws li $3\frac{1}{2}$), sau lo lus teb ib feem li $(7/2)$ lossis tug lej sib txig li (3.5).
- Tsis txhob sau **cov cim** xws li cim feem pua, cim cais kab lus, lossis cim nyiaj duas las hauv koj lo lus teb.

9 Zaj Qauv 2: Kev Kawm Lej

 Sij hawm raws li tus qauv cai rau zaj qauv no yog **43 feeb**. Yog tias koj tab tom sim yuav kev tso cai xwb, koj lub sij hawm thiab kev so yuav sib txawv. Thov ua tib zoo mloog cov lus tshaj tawm uas tau nyeem los ntawm koj tus xib fwb soj ntsuam xeeb ntawv. Qhov kev txhais cov kev qhia xeeb ntawv yuav tshwm raws li cov kev qhia uas hais uas tau ntshais lawm.

Thaum txhua tug npaj txhij lawm, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais li no:

Peb yuav xeeb txuas mus ntxiv rau zaj qauv thib ob hauv feem kawm Lej. Thaum peb pib lawm, nej yuav muaj ____ feeb los ua Zaj Qauv 2. Kuv yuav tshaj tawm lub sijhawm pib thiab nres, thiab kuv yuav qhia rau nej paub thaum tshuav 5 feeb kawg.

Khaws koj phau ntawv xeeb thiab lub laij lej rau saum koj lub rooj. Koj tuaj yeem siv koj phau ntawv xeeb los ua qauv, tab sis nco ntsoov tias koj kos voj voog meej 1 lo lus teb xwb. Yog tias koj ua tiav ua ntej lub sijhawm kuv tshaj tawm, koj tuaj yeem tshawb xyuas koj cov haujlwm hauv qhov zaj qauv no, tab sis koj yuav tsis mus rau lwm qauv kev xeeb. Yog tias koj npaj tau txhij xeeb ntxiv mus, thov muab koj tus cwj mem cia thiab saib tuaj, tab sis tsis txhob xeeb ntxiv txog thaum kuv tso cai koj.

Tam sim no, qhib koj phau ntawv xeeb mus rau zaj qauv thib ob hauv feem kawm Le. Nyeem cov lus qhia thiab peb xeeb tau.

Lub sij hawm pib tam sim no.

Thaum txhuav 5 feeb lawm xwb, koj tug xib fwb soj ntsuam xeeb ntawv yuav hais li no:

Nej tshuav 5 feeb los ua Zaj Qauv2.

Nres sau ntawv thiab tso koj tug cwj mem tseg. Tam sim no, thov kaw koj phau ntawv xeeb thiab muab tso rau ntawm koj lub rooj.

9.1 Cov Lus Qhia Zaj Qauv Lej 2

 Cov hauv qab no yog kev txhais cov lus qhia hauv koj phau ntawv xeeb rau Lej Zaj Qauv 2.

27 NQE LUS NUG (SIJ HAWM RAWs TUS QAUv CAI)

COV LUS QHIA

Cov lus nug nyob hauv feem no qhia tau ntau yam kev txawj txog lej tseem ceeb.

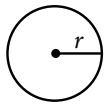
Tso cai siv lub laij lej rau tag nrho cov lus nug.

CIM CIA

Tshwj tsis yog muaj lwm yam kev qhia:

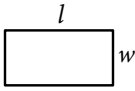
- Txhua qhov sib txawv thiab cov lus qhia sawv cev rau cov lej tiag.
- Cov duab uas muab los yog kos raws li ntsuas.
- Tag nrho cov duab nyob tiaj.
- Lub npe ntawm ib qho kev ua haujlwm f yog txheej ntawm tag nrho cov lej tiag x uas $f(x)$ yog tus lej tiag.

NTAWV PAB NTXIV

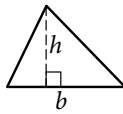


$$A = \pi r^2$$

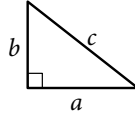
$$C = 2\pi r$$



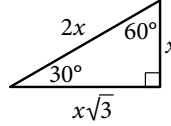
$$A = l w$$



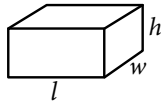
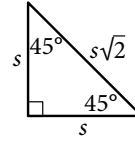
$$A = \frac{1}{2} b h$$



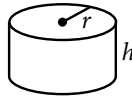
$$c^2 = a^2 + b^2$$



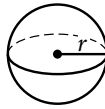
Tshwj xeeb txoj cai kaum
peb fab



$$V = l w h$$



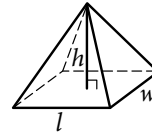
$$V = \pi r^2 h$$



$$V = \frac{4}{3} \pi r^3$$



$$V = \frac{1}{3} \pi r^2 h$$



$$V = \frac{1}{3} l w h$$

Qhov kev nkhaus degree hauv ib lub voj voog yog 360.

Qhov kev nkhaus radian hauv ib lub voj voog yog 2π .

Ntsuas tau tag nrho cov ceg kaum degree ntawm daim duab peb phab yog 180.

Rau ntau cov lus nug muaj ntau qhov kev xaiv, daws ib qhov teeb meem, xaiv lo lus teb yog los ntawm cov kev xaiv uas tau muab, thiab tom qab ntawd kos voj voog koj lo lus teb rau hauv phau ntawv no. Kos voj voog ib lo lus teb rau ib lo lus nug xwb. Yog tias koj hloov siab, so tag nrho lub voj voog tawm. Koj yuav tsis tau txais credit rau cov lus nug uas kos voj voog ntau tshaj ib lo lus teb, lossis rau cov lus nug uas tsis kos voj voog rau ib lo lus teb twg li.

Rau cov lus nug uas tub ntxhais kawm sau teb los, daws ib qhov teeb meem thiab sau koj cov lus teb ntawm ib sab lossis hauv qab nqe lus nug hauv phau ntawv xeeb raws li tau piav qhia hauv qab no.

- Thaum koj sau tau koj lo lus teb lawm, kos voj voog ncig kom meej. Koj yuav tsis tau txais credit rau tej yam tau sau sab nraum lub voj voog, lossis rau cov lus nug uas muaj ntau tshaj ib lub voj voog lus teb.
- Yog tias koj pom **ntau dua ib lo lus teb yog**, los tsuas sau thiab kos voj voog ib lo lus teb xwb.
- Koj lo lus teb tuaj yeem muaj txog 5 tus cim ntawv rau **ib lo lus teb zoo** thiab txog li 6 tus cim ntawv (nrog rau cov cim tsis zoo) rau **ib lo lus teb tsis zoo**, tab sis tsis tau ntau tshaj qhov ntawv.
- Yog koj lo lus teb yog **ib tug lej feem** uas ntev heev (tshaj 5 tug cim ntawv rau zoo, 6 tug cim ntawv rau tsis zoo), sau tug lej sib txig.
- Yog koj lo lus teb yog **ib tug lej cais** uas ntev heev (tshaj 5 tug cim ntawv rau zoo, 6 tug cim ntawv rau tsis zoo), txiav nws lossis yuav plaub tug tom ntej xwb.
- Yog koj lo lus teb yog **ib tug lej sib xyaw** (xws li $3\frac{1}{2}$), sau lo lus teb ib feem li $(7/2)$ lossis tug lej sib txig li (3.5).
- Tsis txhob sau **cov cim** xws li cim feem pua, cim cais kab lus, lossis cim nyiaj duas las hauv koj lo lus teb.

10 Tso tawm

Nrog Koj Zoo Siab! Koj twb ua tiav qhov Preliminary SAT/National Merit Scholarship Qualifying Test, los sis PSAT/NMSQT. Nyob no hnuv no thiab ua tiav qhov kev xeev yog ib qhov kev ua tiav tseem ceeb heev. Nyob twb ywm thaum kuv sau thiab suav koj cov ntawv xeev.

Nco ntsoov, thaum xa koj cov lus teb mus, koj pom zoo tias koj yuav tsis muab cov lus nug sib tw hauv lub chav xeev ntawv, muab cov lus nug rau leej twg, lossis tham qhia cov lus nug rau lwm tug hauv email, sau ntawv hauv xov tooj, online, lossis lwm yam. Qhov no yuav pab kom txhua tus tub kawm ntawv muaj kev xeev ncaj ncees thiab sib npaug. Yog tias hnuv no koj pom ib yam dab tsi ua rau koj tau txhawj xeeb, los nrog kuv tham ua ntej koj tawm mus.

Raws li kuv tau hais rau thaum pib xeev ntawv, yog tias ib tus neeg ua txhaum ib qho ntawm cov cai rau kev ruaj ntseg xeev ntawv, lawv cov qhab nia yuav raug muab tshem tawm, thiab lawv yuav raug txwv los xeev lwm yam kev xeev hauv Tsev Kawm College Board rau yav tom ntej.

Thov nyob tog ntawm nej lub chaw zaum mus txog thaum kuv tso nej tawm mus. Thaum ntawv, nej tuaj yeem los muab nej tej khoom thiab mus nqa txhua yam uas tau muab cia ua ntej los xeev ntawv. Thaum nej tawm mus, thov nco ntsoov tiag tseem txhuav neeg ua hauj lwm rau lwm lub chav. Yog koj xav paub yuav ua cag tshem koj cov qhab nia tawm, kuv tuaj yeem pab tau koj ua ntej koj tawm.

Ib zaug ntxiv, nrog zoo siab rau nej kev rau siab hnuv no.

Koj tug xib fwb soj ntsuam xeev ntawv yuav sau daim ntawv qhia ntawm koj no ua ntej koj tawm mus.