



8th Grade

Niamtxiv Daim Ntawv Qhia Kom To Taub cov Qauv Kawm Math Common Core

	Cov naj npawb System	Cov Zaj Lus thiab and Cov Kev Sib Txig Sib Luag	Cov Kev Ua	Geometry	Cov TSwv Yim Uas Tshawb Fawb thiab Tej Zaum Yuav Muaj Tseeb
<p>Cov Tub/Ntxhais kawm ntawv yuav muaj peev xwm ua tau:</p>	<ul style="list-style-type: none"> • Qhia qhov txawv ntawm cov naj npawb uas yog thiab tsis yog. • Nkag siab txog tag nrho cov naj npawb uas yuav qhia tau li cov decimals thiab tag nrho cov fractions uas yuav muab los hais tau tias muab tshem tawm lossis rov sau tus leb sib raws mus ntxiv (0.5) (0.333....). • Muab cov naj npawb tsis yog thiab yog ntawm txoj kkab koj los sib piv thiab tso kom sib raws. • Kwv yees cov naj npawb uas tsis yog. 	<ul style="list-style-type: none"> • Ntxiv cov uas zoo ib yam ntawm cov naj npawb me saum toj kom ua tau zoo li cov uas sau tau lawm. • QHov txawv ntawm cov duab xim fab xim meem tias zoo los tsis zoo. • Nkag siab txog qhov kev sib ze uas tig rov qab nruab nrab ntawm cov squares thiab square roots thiab cubes thiab cube roots. • Graph cov kev sib luag sib txig sib txheeb raws li cov kab uas sib luag ntawm txoj kab ua ib ke thiab qhov uas tau los sib ze ntawm qhov sib haum $y = mx + b$. • Daws linear equations es siv ib tug niam ntawv. • Daws khub ntawm cov kab ua ke ntawm qhov npab leb hauv 2 tug niam ntawv. 	<ul style="list-style-type: none"> • Nkag siab txog tias seb function txhais licas. • Muab cov kev ua (functions) no los sib piv thaum koj qhia mus li ob peb yam sib txawv. • Nkag siab tias txoj kab ncaj tso sib haum yog sawv cev raws li ib txoj kab; qhia qhov slope thiab the y-intercept ntawm txoj kab. • Nkag siab txog qhov txawv nruab nrab ntawm nyob ua ib kab thiab tsis nyob ua ib kab. 	<ul style="list-style-type: none"> • Nkag siab txog cov zoo ib yam (congruence) thiab cov uas muaj ntsis yuav sib thooj nrog cov duab geometric figures • Nkag siab txog qhov uas vim licas thiaj zoo li ntawv ntawm kev hloov pauv geometric: cov kev hloov tig, cov uas txhais, cov thaws rov qab, thiab cov uas ua kom su. • Siv qhov Pythagorean Theorem los nrhiav cov sab ntawm daim duab uas muaj peb lub maum kaum. 	<ul style="list-style-type: none"> • Rhawv thiab txhais cov uas tawg pawg lug. • Ua qauv thiab txhais cov kab ncaj ncaj hauv ntaub ntawv. • Muab cov ntaub ntawv tso ua ob yan table thiab ntsuas tsis tu ncaa.
<p>Cov Tsev kawm natwv yuav txhawb pab los ntawm muab cov hww tsam zoo rau:</p>	<ul style="list-style-type: none"> • Muab kev ua leb thiab kev piv txwv tiag tiag ntawm cov naj npawb uas tsis muaj pov thawj uas tshwm sim (π hauv cov voj voog, $\sqrt{2}$ hauv lubspecial right triangles). • Kawm cov ncauj ke rau qhov uas ze rau cov naj npawb uas tsis muaj pov thawj. • Ntxiv rau qhov kev ua ntawm qhov uas hloov decimals los rau fractions li ntau txohj hauv kev uas ntiaj teb teeb meem muaj. 	<ul style="list-style-type: none"> • Siv cov powers ntawm 10, properties ntawmf exponents, thiab scientific notation thaum daws cov teeb meem. • Kev sib ze ntawm cov squares thiab cubes rau geometric shapes thiab solids. • Graph thiab ntsuas cov ntaub ntawv uas yuav los sawv cev tau ntawm txoj kab uas nyob ua ke ntawm kev ua. • Nrhiav kom tau ob peb txoj ncauj ke los ua qauv piv txwv nrog tape diagrams, naj npawb properties, thiab cov tables los daws cov kab. 	<ul style="list-style-type: none"> • Qauv piv txwv thiab txhais ntiaj teb qhov tseeb uas tshwm sim seb kev sib txheeb ntawm qhov nyob tib txoj kab thiab qhov tsis nyob uake tib txoj kab txawv li cas. • Sawv cev ib qho kev ua graphically, algebraically, thiab hauv ib lub table. • Qhia thiab txhais qhov slope thiab y-intercept ntawm txoj kab uas nyob ntawm daim graph, equation lossis ntawm ib lub rooj. 	<ul style="list-style-type: none"> • Siv cov qauv piv txwv, cov duab kos, cov ntawv, transparencies, thiab geometric software los txiavtxim cov zoo ib yam thiab cov uas muaj ntsis yuav sib thooj. • Siv tes ua kias kom tiav los mus ua tim khawv ntawm Pythagorean Theorem. • Daws ntiaj teb teeb meem qhov tseeb uas siv Pythagorean Theorem. 	<ul style="list-style-type: none"> • Rhawv kev tshawb fawb seb cov tub/ntxhais kawm ntawv twg khaws cov ntaub ntawv thiab muab koj los tso ua ob yam tables. • Kawm cov sib dhos ntawm ob pawg hauv ntaub natwv. • Muab tej ntuab ntawv los sib piv lossis cov uas nyob sab tid.
<p>Cov Niamtxiv pab tau los ntawm</p>	<ul style="list-style-type: none"> • Nug koj tus menyuam kom piv qhov txawv nruab nrab ntawm cov muaj laj thawj thiab tsis muaj laj thaawj thiab ua piv txwv rau ob yam tib si. • Nug koj tus menyuam kom qhia seb yuav ua licas π los ntawm cov khoom uas ua voj voog, xws li cov koos poom soup, log tsheb kauj vab, hula hoop, CD, thiab coaster. 	<ul style="list-style-type: none"> • Nug koj tus menyuam kom ntsuas cov xovtooj ntawm tes los txiav txim se blub twg yog lub zoo dua. • Piv txog qhov kev siv credit card thiab siv debit card nrog tus nqi thaum sam roj, thiab sau rau hauv ntawv pkom pom qhov kev sib txheeb licas. 	<ul style="list-style-type: none"> • Nug kom koj tus menyuam npaj ib lub hom phiaj ua lam luam zov menyuam thiab ces mam ua seb nws ho yuav tau paj luam ntau licas los ntawm seb cov neeg hov coob. 	<ul style="list-style-type: none"> • Nug kom koj tus menyuam tsim kom tau ib daim duab lossis ib lub kib uas sawv cev ntawm ib yam kev uasi uas nws nyiam. Muab daim duab ntawv ntseev mus ntseev los thiab hloov mus hloov los komloj kom me thiab kom txav. 	<ul style="list-style-type: none"> • Nyeem cov xov xwm nrog koj tus menyuam thiab txhais tej tables thiab charts uas muaj nyob hauv ntawv xov xwm. Piv seb ua cas thiaj li tau li ntawv.

Cov Tub/Ntxhais Kawm Ntawv Qib 8:

- Nkag siab txog cov tswv yim ntawm kev ua.
- Nkag siab txog qhov txawv nyob nruab nrab ntawm txoj kab thiab qhov kev ua uas tsis nyob ntawm nruab nrab.
- Graph tau kom sib txig sib luag cov kev sib txheeb ib yam li txoj kawb.
- Muab qhov uas ua coj los sib piv thaum sawv cev ntawm ob peb txoj hauv kev.
- Sib txawv nyob nruab nrab ntawm cov naj npawb sib dhos thiab tsis sib dhos.
- Qhia tias cov leb sib tshooj li muab tshem tawm lossis rov qab zoo li qub ua decimals.
- Siv Pythagorean Theorem los daws cov npab leb no.
- Ntxiv cov naj npawb uas tau los ntawm kev tshawb fawb los nug kom paub cov sib raws.
- Sawv cev thiab txhais cov ntaub ntawv.

Cov Kev Pab:

Sacramento City Unified School District

<http://www.scusd.edu/commoncoredept>

- ✓ Cov links mus saib cov ntaub ntawv hais txog tus Qauv Qhia Ntawv California (CCS) Common Core Standards, nrog rau cov videos rau cov Quav Xyaum Kawm Lej

Parent-Teacher Association

<http://www.pta.org/446.htm>

- ✓ Cov ntawv qhia txog cov ntsiab lus t seem ceeb uas cov menyuam yuav tsum tau kawm txog lej nyob rau txhua qib kawm.

California Department of Education

<http://www.cde.ca.gov/re/cc/index.asp>

- ✓ Cov ntawv tshaj tawm hais txog tej yam tseem ceeb ntawv cov Qauv Kawm Lej CCS
- ✓ Cov ntaub ntawv hais txog kev hloov mus kawm rau CCS
- ✓ Lub link mus rau “Council of Great City Schools Parent Roadmaps”
- ✓ Cov links mus rau qhov ntawm xeeb “Smarter Balanced Assessments”

Cov niamtxiv yuav txhawb pab licas:

- Kuaj ntsuas cov ntawv qhia zaub mov nrog koj tus menyuam. Tsim ib daim ntawv los qhia tias suab thaj thiab calories qhov twg yog qhov zoo dua rau khoom noj.
- Saib ntawm MC Escher cov duab nrog koj tus menyuam. Saib rau thiab qhia kev hloov geometric.
- Xaiv ib qhov kev lam luam thiab soj raws qhov kev lam luam ntawd nrog kj tu smenyuam. Graph qhov stock’s value thiab kwv yees thaum twg mam muag qhov lam luam ntawv thiaj tau paj laum ntau.
- Qhia tias seb koj siv leb li cas txhua hnuv hauv koj lub neej.
- Txhawb koj tus menyuam kom txhob tag kev cia siab yog thaum tej qob leb nyuaj.
- Thaum koj tus menyuam ua tsis tau nws cov homework, yuav tsum nug cov nqe lus nug no:

1) Koj qhia puas tau tam sim no tias koj paub txog dab tsi?

2) Koj yuav ua licas thiaj li paub txog?

3) Koj puas kos tau duab los pib ua ntej?

4) Koj qhia rau kuv seb koj ua licas es thiaj li tsis ua hauj l

Tsim tawm los ntawm Sacramento City

Kev Hloov Pauv Tau Licas:

Cov kev kawm rau cov tub kawm ntawv tau hloov ntau heev thaum tau txais yuav tus qauv qhia ntawv Common Core State Standards nyob rau kev kawm Lej. Thaum tseem tshawb nrhiav lo lus teb kom yog, txoj kev kawm tau ntawv tseem yog yam uas tseem ceeb tshaj, cov tub kawm ntawv tam sim no yuav tsum siv lawv txoj kev xav txog lej, txuas lus nrog lawm txoj kev xav, thiab tawm tswv yim vim licas kom nkag siab tias lej ua hauj lwm mus licas.

California Standards Assessment tus qauv tas los:

Sau 4/5 ib yam li decimal.

Teb: 0.8

Common Core Standards Assessment:

Tsis txhob siv lub pob square root hauv koj lub calculator, kwv yees $\sqrt{800}$ kom yog li yog tau rau 2 decimal places. Piv qhia vim licas.

Qhov tej zaum yuav muaj tseeb:

Paub tias $20^2=400$ thiab $30^2=900$, qhov tau los yuav tsum yog nyob nruab nrab ntawm 20 thiab 30, thiab yuav tsum ze rau ntawm 30 ntau dua li 20 (vim 800ze rau 900 dua li 400). Ces kuv mam sau ib daim ntawv los xeeb ob peb tug naj npawb, pib ntawm 28:

<i>n</i>	<i>n</i> ²
28	$28^2 = 784$
28.2	$28.2^2 = 795.24$
28.25	$28.25^2 = 798.0625$
28.28	$28.28^2 = 799.7584$

$$\sqrt{800} \approx 28.28$$

