Grade 12 Essential

Week 1 Quiz

DEBRIEF

Formative Assessment (Inventory)

Gr12 Essential Quiz Week 1

Grade 12 Essentials Mathematics Formative Assessment. An inventory of prior math skills

This a Formative Assessment to sample areas of study that need to be targeted to help students identify their strengths and weaknesses and target areas that need work.

You will still need paper and pencil and calculator to determine the answer to these questions.

You may use any of the coloured Study Notes (all grades) you have been provided. Answer all questions. State IDK if uncertain of the answer.

Email *

Valid email address

Also delivered,

This form is collecting email addresses. Change settings

Solve for x

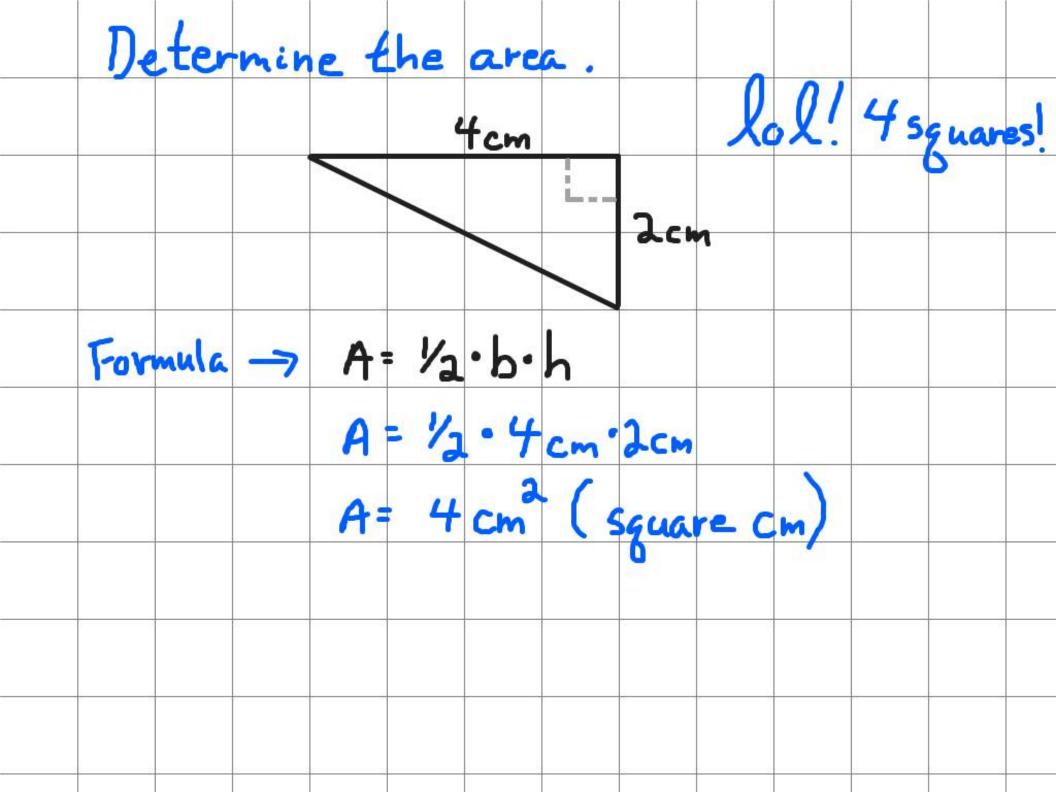
$$\frac{4}{9} = \frac{x}{31.5}$$

cross multiply

$$\frac{4.31.5}{9} = x$$
 $(x = 14)$

or Algebra:

Round properly:



Grade 12 Essential. Omar buys a new car with a base price of \$21,800 and purchases the following options: Navigation system: \$1,000 and Sound system: \$800. Calculate the cost, after taxes, of purchasing the new vehicle if he receives \$3,000 for his trade-in. Assume PST = 7% and GST = 5%. State IDK if unknown.

Cheat sheet

Final Vehicle Cost =

(Dealer price after eco fees, freight, options, etc - Trade in)* tax factor

Grade 12 Essential. Gerald takes a car loan for \$23,500. He gets a 4-year loan at an annual interest rate of 7%. Determine his monthly payments. Use the loan tables provided. State IDK if unknown.

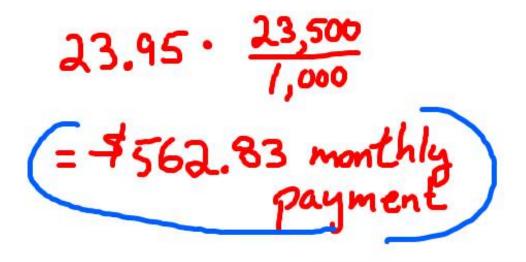
Your estimated monthly loan

payment

\$563

F BOOK AN APPOINTMENT

A APPLY ONLINE



Loan amount

Payment frequency

Enter the total amount you want to borrow.

How often would you like to make payme

Select the number of years you'll need to pay back your loan.

\$23,500

Monthly

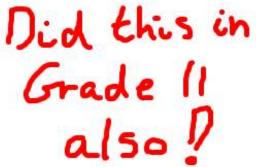
Interest rate

Amortization

4 years

Enter an interest rate.

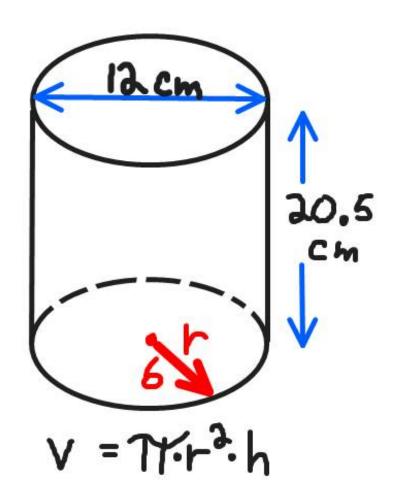
7.00%



Monthly Vehicle Loan Payments per Thousand Borrowed Years to Repay Loan Interest Rate \$29.52 \$22.58 4.00% \$85.15 \$43.42 \$43.54 \$29.64 4.25% \$22.69 \$85.26



Determine Volume



radius
$$V = \pi \cdot k^{2} \cdot h$$

$$V = \pi \cdot (6 \text{ cm})^{2} \cdot 20.5 \text{ cm}$$

$$V = 2,318.50 \text{ cm}^{3}$$

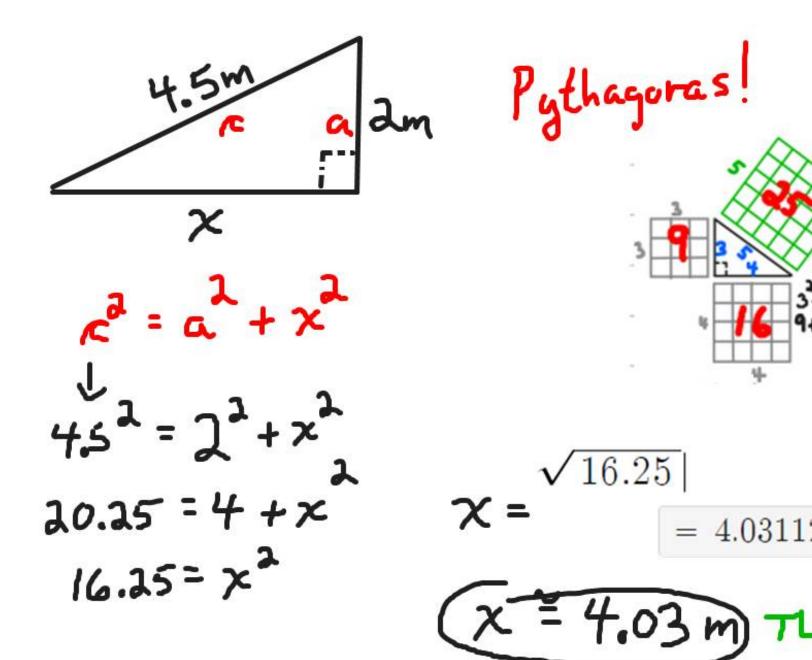
$$\pi \cdot 6^{2} \cdot 20.5$$
litres

= 2318.4953783

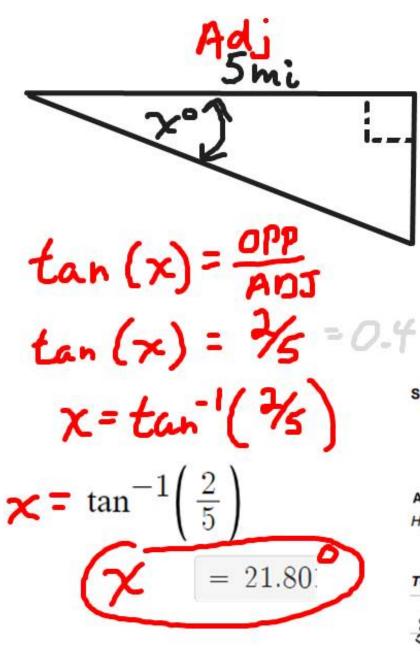
Tormula. Formula. calculator.

Just a bunch of stacked up circles.

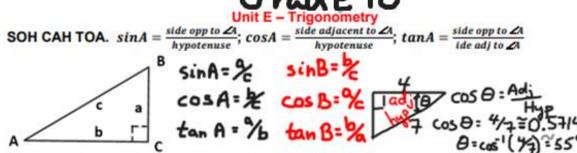
Determine length x of the Right Triangle



Determine the measure of Angle x



SOH CAH TOP



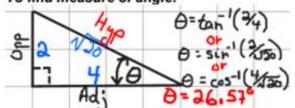
Hypotenuse side is always across from the 90° corner.

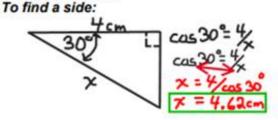
If know two parts of a right triangle, can figure out the rest.

Handy rule: longest side across from biggest angle, smallest side across from smallest angle.

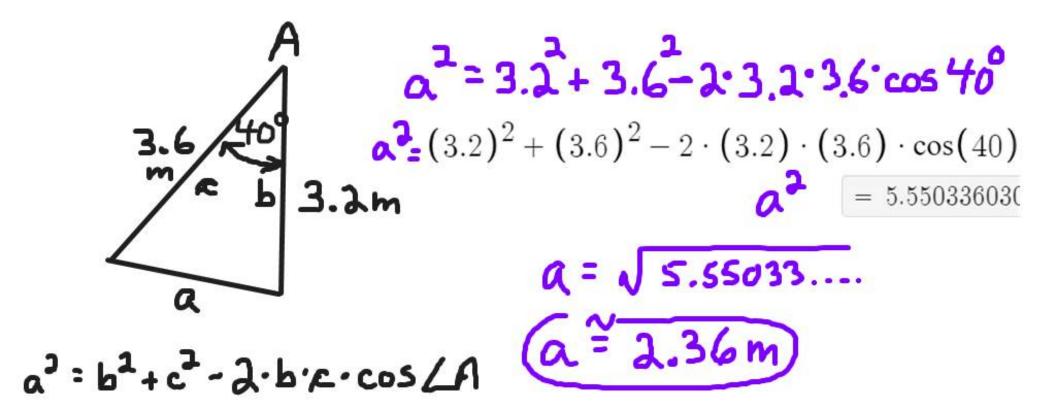
Round trig ratios to nearest 0.0001 normally

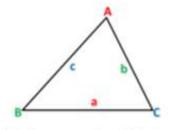
To find measure of angle:





COSINE LAW GRADE 11





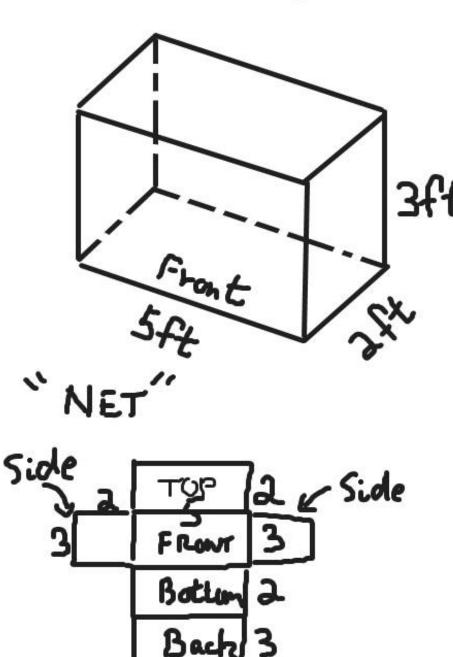
Study Notes Gr 11 Cheat Sheet

Trigonometry Cosine Law:

Cosine Law for side a across from angle A: $a^2 = b^2 + c^2 - 2*b*c*cos(A)$

Surface Area Rectangular Prism

Grade 11



That is it

Hope most of this was ok!!

If not then hang out the end of class for a bit