

Alg 1 Week 16 Block Warm Up

1. Skill 19: Multiply and Divide Rational Expressions

Simplify the polynomial completely.

$$\frac{2b-1}{2b+8} \div \frac{2b^2+5b-3}{b^2-16}$$

2. Skill 20: Construct a box and whisker plot for a set of data, and find the mean and range.

Cars sold each week by Kathy: 5 8 3 12 7 11 9 4 8

3. Solve and check.

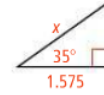
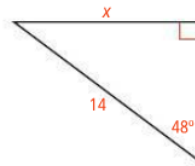
$$\frac{2x+4}{x-3} = \frac{3x}{x-3}$$

Notes 10-6 Trigonometric Ratios

You can use trigonometry to find missing lengths in a right triangle when you know the length of one side and the measure of an acute angle.

Problem 3 Finding a Missing Side Length

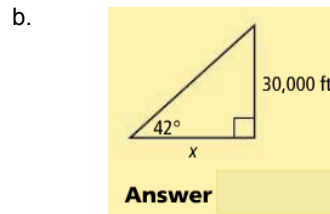
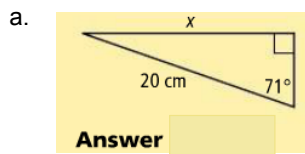
To the nearest tenth, what is the value of x in the triangle at the right?



Got It? 3. To the nearest tenth, what is the value of x in the triangle at the right?

Additional Problem 3

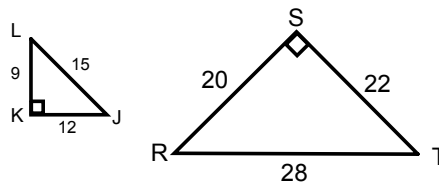
To the nearest tenth, how long is leg x in the triangles below?



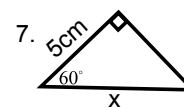
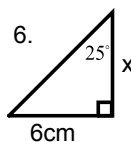
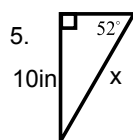
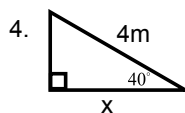
Now you try these:

Use SOH-CAH-TOA to find the value of each expression. Give each answer as a reduced fraction.

1. $\sin J$
2. $\cos R$
3. $\tan L$



Find the missing side, round to the nearest tenth.



Alg 1 Wk

HW

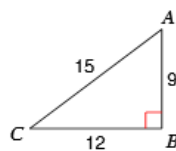
Name _____

Find each trigonometric ratio using SOH-CAH-TOA. Give each answer as a reduced fraction.

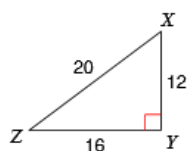
1) $\tan A$



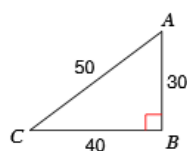
2) $\cos C$



3) $\sin Z$



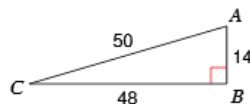
4) $\sin C$



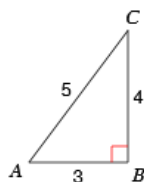
5) $\sin C$



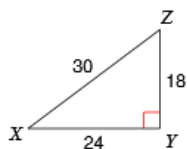
6) $\sin C$



7) $\cos A$



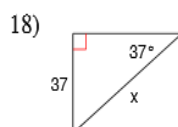
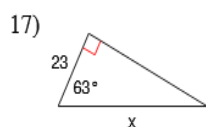
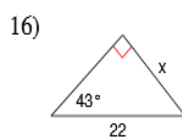
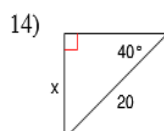
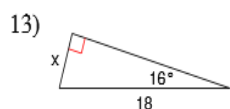
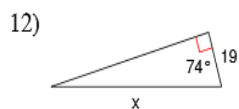
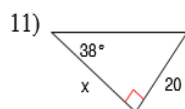
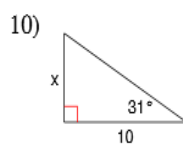
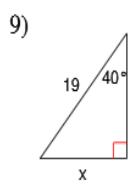
8) $\cos X$



A1S2 w16d3 2018 Trig ratios.notebook

Alg 1 Wk 16 HW cont'd

Use Trig to find the missing side. Round to the nearest tenth.



Time for Week 16 assessments:

Probability Quiz

Skills 19.3, 20.2

PT - Week 16

Attachments

area8A.swf