

Geometry (G.SRT.4 & 5)

Unit Two – G.SRT.4-5 Review #1 (HW16)

For each multiple choice question, please circle your answer.

Name: _____

Date: _____ Period: _____

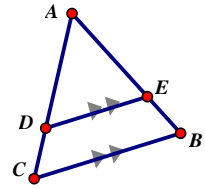
1. In the given diagram, which of the following statements is NOT true:

A) $\angle ADE \cong \angle ACB$

B) $\angle ADE \cong \angle AED$

C) $\frac{AD}{AC} = \frac{AE}{AB}$

D) $\frac{AD}{DC} = \frac{AE}{EB}$

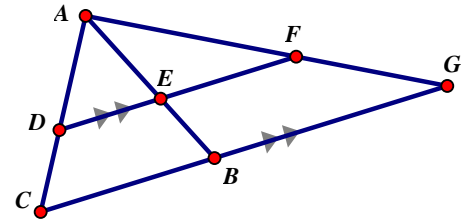


2. Complete the proportions.

a) $\frac{AD}{AE} = \frac{DC}{\square}$

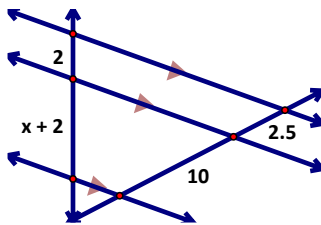
b) $\frac{AC}{AD} = \frac{AG}{\square}$

c) $\frac{EB}{FG} = \frac{\square}{AG}$

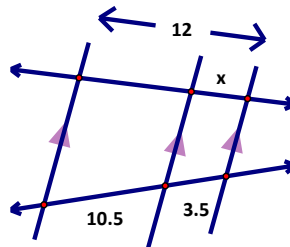


3. Find the values for the missing variables.

a)

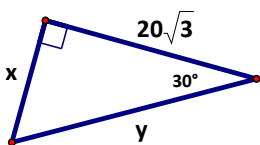


b)

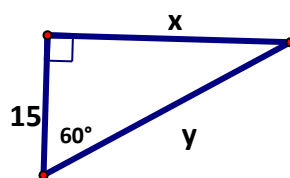


4. Solve for the unknowns. Leave your answer in exact form (without rounding) - in some cases that will be a reduced radical.

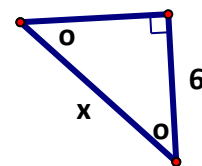
a)



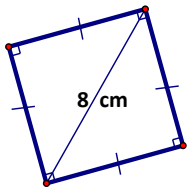
b)



c)



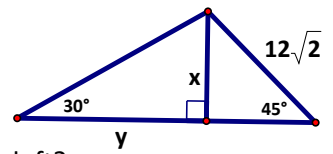
5. Determine the area of the square.



6. If the area of a right isosceles triangle is 8 cm^2 , then find the length of the hypotenuse.

7. Using the figure to the right:

a) Find x and y .



b) What is the area of the triangle on the left?

c) What is the area of the triangle on the right?

d) What is the area of the whole triangle?