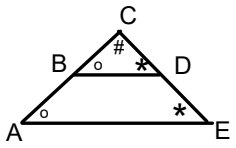
Review Day 4

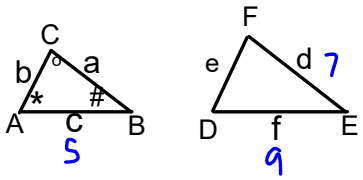
1. For the following diagram: write the similarity statement and the proper ratios.



$\triangle CDB \sim \triangle CEA$

$\frac{CD}{CE} = \frac{DB}{EA} = \frac{CB}{CA}$

2. $\triangle ABC \sim \triangle DEF$, c=5,d=7 and f=9. Write the similarity statement, write the ratios and solve for a.



$\triangle ABC \sim \triangle DEF$

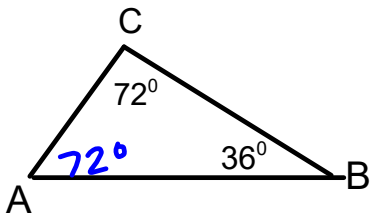
$\frac{BC}{EF} = \frac{AB}{DE} = \frac{AC}{DF}$

$\frac{a}{7} = \frac{5}{9} = \frac{b}{c}$

$a = \frac{5(7)}{9}$

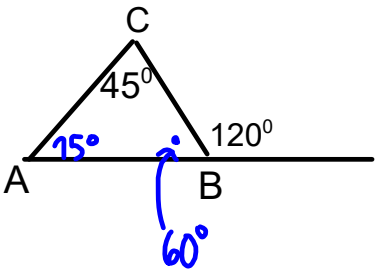
$= 3.\overline{8}$

3. Find the value of A.



$\angle A = 180 - 72 - 36$

$= 72°$



$\angle ABC = 180 - 120$ SAT

$= 60°$

$\angle A = 180 - 45 - 60$ SATT

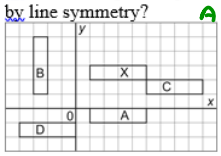
$= 75°$

Questions from the homework?

Extra Practice 6 & 7

Extra Practice 7

2. Which of the rectangles A, B, C, D is related to rectangle X:
   a) by rotational symmetry about the origin? B 90° counterclockwise
   b) by rotational symmetry about one of the vertices of rectangle X? C 180° clockwise
   c) by line symmetry? A Y=1 line symmetry



3. Identify and describe the types of symmetry in the petal shapes.

a) 3 line symmetry, order 3, angle 120°

b) 4 line symmetry, order 4, angle 90°

c) 6 line symmetry, order 6, angle 60°

d) none

e) 1 line symmetry

Homework

Chapter Review & Test for Practice

Page 377-379 3, 6-12, 14, 15 and 17

Page 380 1,2 and 4