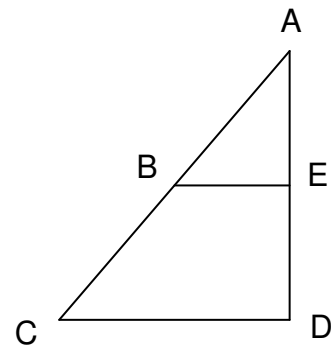
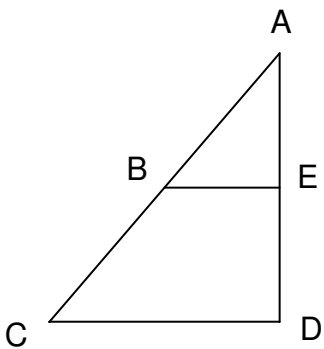


REVIEW Ch 7.1-7.3

1. The ratio of the measures of the interior angles of a hexagon is 5:6:8:5:4:8. Find the largest angle.

2. Fill in the chart: The following holds true: $\frac{AB}{BC} = \frac{AE}{ED}$

	AB	BC	AC	AE	ED	AD
a)	6			4	20	
b)			10		3	12



Solve the following proportions.

3. $\frac{15x}{42} = \frac{12}{7}$

4. $\frac{x+3}{5} = \frac{2x-3}{9}$

x = _____

x = _____

5. $\frac{x+8}{x-2} = \frac{x-1}{x+3}$

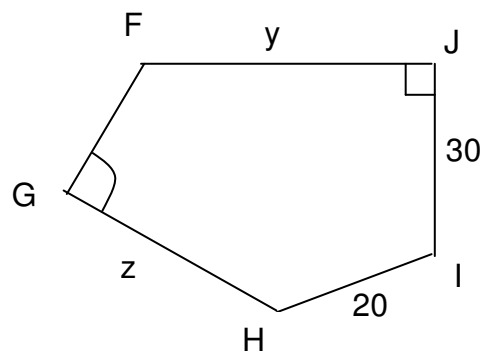
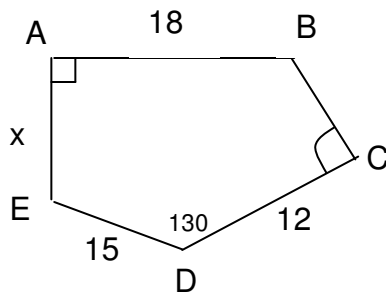
x = _____

6. If $\frac{x}{5} = \frac{5}{9}$ then $\frac{x+5}{5} =$

7. An octagon has sides 3, 4, 6, 7, 10, 11, 11 and 12. It is similar to a octagon of perimeter 24. Find the length of the longest side. (8 points)

$x =$ _____

8. Given the two similar figures, fill in the blanks.



a. Name the similar figures by filling in the blanks below – ORDER MATTERS!!

Pentagon _____ ~ Pentagon _____

b. Scale factor = _____

c. $m \angle H =$ _____

d. $x =$ _____

e. $y =$ _____

f. $z =$ _____

g. Ratio of perimeters = _____

1. 160
2.

a) 6	30	36	4	20	24
b) 7.5	2.5	10	9	3	12
3. $x=4\frac{4}{5}$
4. $x=42$
5. $x=-11\frac{1}{7}$
6. $\frac{14}{9}$
7. 4.5
8.
 - a) ABCDE similar to JFGHI
 - b) $\frac{3}{4}$
 - c) 130
 - d) 22.5
 - e) 24
 - f) 16
 - g) $\frac{3}{4}$