

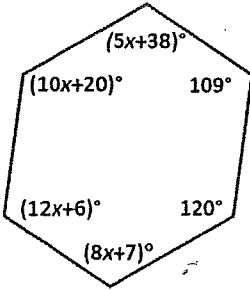
$$S_{int} = (6-2) \cdot 180$$

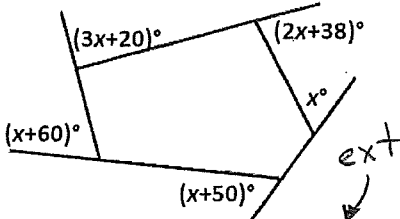
Geometry Lesson #9 Opener

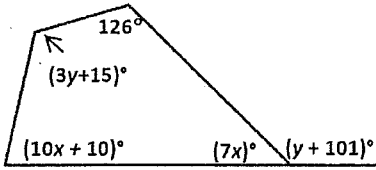
Name:

1. What is the measure of one exterior angle of a regular octagon?
 $\frac{360}{8} = 45^\circ$

2. What is the measure of one interior angle in a regular octagon?
 $180 - 45 = 135^\circ$ or $\frac{(8-2) \cdot 180}{8} = \frac{1080}{8} = 135^\circ$

3.  $35x + 300 = 720$
 $35x = 420$
 $x = 12$

4.  $8x + 168 = 360$
 $8x = 192$
 $x = 24$

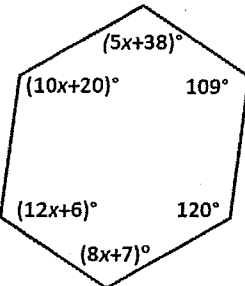
5.  $7x + y + 101 = 180$
 $7x + y = 79$ (-3)
 $7(7) + y = 79$
 $49 + y = 79$
 $y = 30$
 $x = 7$
(7, 30)

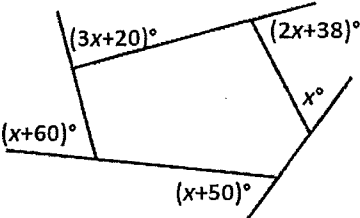
Geometry Lesson #9 Opener

Name:

1. What is the measure of one exterior angle of a regular octagon?

2. What is the measure of one interior angle in a regular octagon?

3. 

4. 

5. 