

Warm-up 1/17/17

Find the values of the variables for this isosceles trapezoid.

$$105 = 9x + 24$$

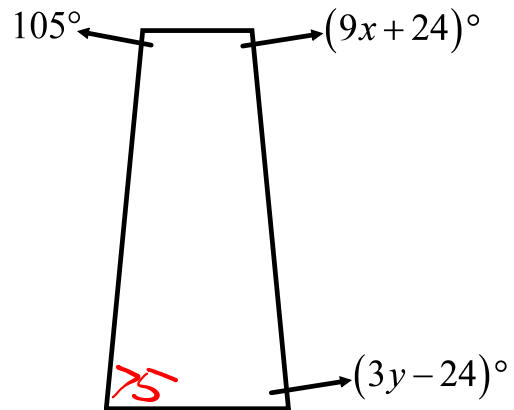
$$81 = 9x$$

$$9 = x$$

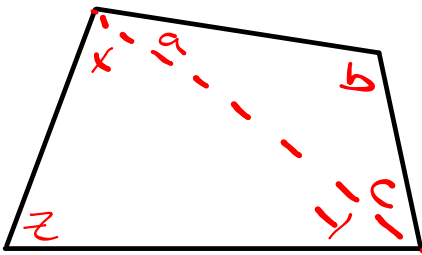
$$3y - 24 = 75$$

$$3y = 99$$

$$y = 33$$

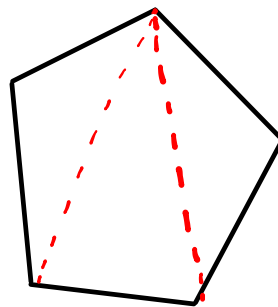


Pg. 528-531



$$m\angle a + m\angle b + m\angle c = 180$$

$$m\angle x + m\angle y + m\angle z = 180$$



$$(n - 2)180$$

Pg. 533

1.

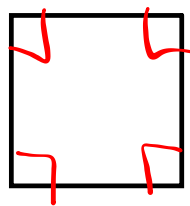
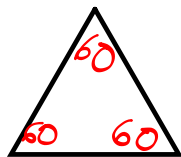
$$(10-2)180$$

$$1440$$

2.

$$\frac{1440}{10} = 144$$

Number of Sides of Regular Polygon	3	4	5	6	7	8
Sum of Measures of Interior Angles	180	360	540	720	900	1080
Measure of Each Interior Angle	60	90	108	120	128.6	135

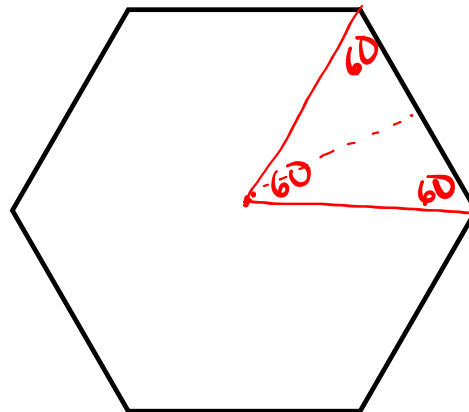
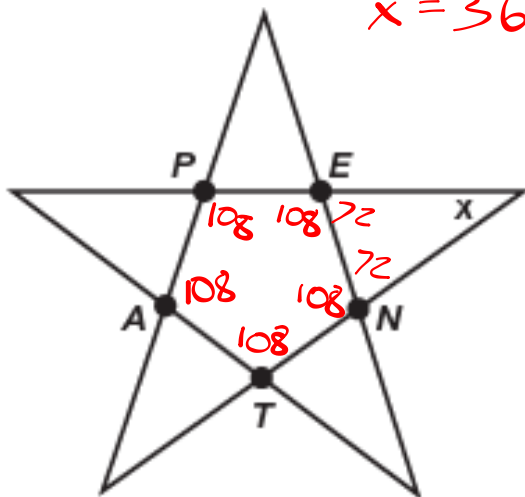


Pg. 534

1.

$$x + 72 + 72 = 180$$

$$x = 36$$



$$(5-2)180 = 540$$

$$\frac{540}{5} = 108$$