LESSON # 42 ~ Perimeter of a Regular Polygon

Regular Polygons with n sides of side length "s" units?????

What does this mean....

Perimeter is

$$P=S(n)$$

Example 1

$$(n=8)$$
 $P=5n$
 $P=3(8)$
 $Octagon$ $P=24$

Example 2

The perimeter of a regular decagod is 112cm. Find the length of each side.

$$0 = 10$$
 $P = 112$
 $5 = 7$

Example 3

Name the regular polygon.

Side length is 11.7 & perimeter is 70.2cm

$$P = Sn$$
 $112 = S10$
 $112 = S10e$
 $10 = 11.2 \text{ SIDE}$

$$S = 11.7$$
 $P = 70.7$