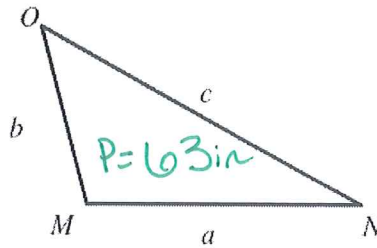
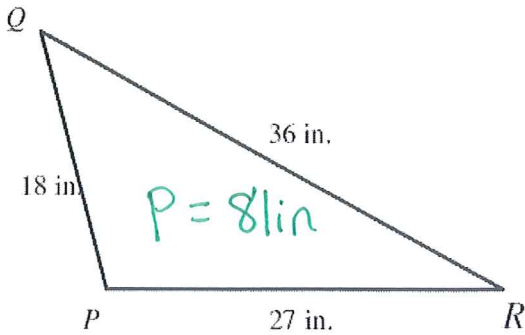


# SLR, PR, AR, VR In-Class Practice

**Ex 1** Find  $a$ ,  $b$ , &  $c$ , if  $\triangle PQR \sim \triangle MNO$  and the perimeter of  $\triangle MNO$  is 63 inches.



$$PR = SLR$$

$$\frac{63}{81} = \frac{a}{27}$$

$$a = 21 \text{ in}$$

$$PR = SLR$$

$$\frac{63}{81} = \frac{b}{18}$$

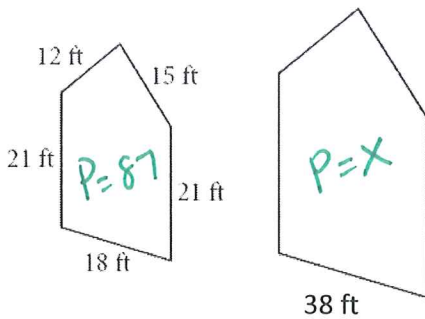
$$b = 14 \text{ in}$$

$$PR = SLR$$

$$\frac{63}{81} = \frac{c}{36}$$

$$c = 28 \text{ in}$$

**Ex 2** Find the perimeter of the larger pentagon if the two pentagons are similar.



$$PR = SLR$$

$$\frac{X}{87} = \frac{38}{18}$$

$$P \approx 183.67 \text{ ft}$$

$$P = \frac{551}{3}$$