

x

$$3x - 12$$

$$x + 3x - 12 = 180$$

$$4x - 12 = 180$$

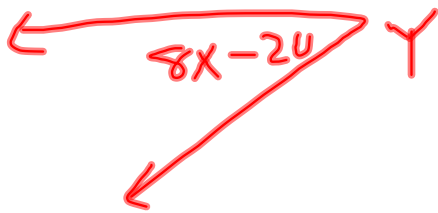
$$\begin{array}{r} +12 \quad +12 \\ \hline \end{array}$$

$$\begin{array}{r} 4x = 192 \\ \hline \frac{4x}{4} = \frac{192}{4} \end{array}$$

$$x = 48$$

$$3 \cdot 48 - 12 = 132^\circ$$

4.

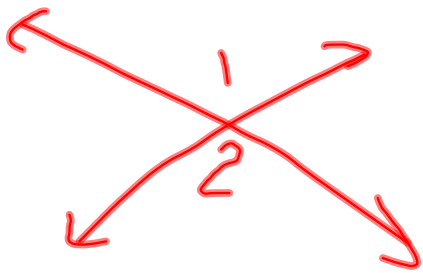


$$90 - (8x - 20)$$

$$\underline{90} - 8x + \underline{20}$$

$$110 - 8x$$





QR

0-9+
10-15✓
16+-

1.5 Formulas

Perimeter: add up all sides

Circumference: distance around a circle.

$$C = 2\pi r \quad \text{or} \quad \pi d$$

↑
radius↑
diameter

Area: space inside an object

Area of a rectangle: $A = l \cdot w$

Area of a triangle: $A = \frac{1}{2} b \cdot h$

Area of a square: $A = s^2$

Area of a circle: $A = \pi r^2$

Ex: Find the perimeter and area of :



$$P = 10 + 10 + 4 + 4 = 28 \text{ in}$$
$$A = 4 \cdot 10 = 40 \text{ in}^2$$

HW: p. 38

2-30 even, odds
extra credit