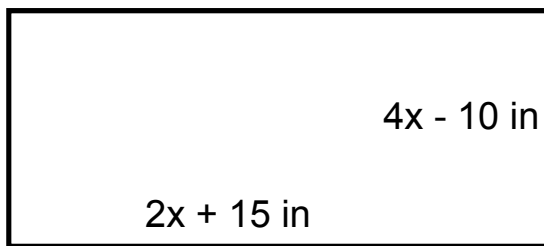


Warm-up 2/12

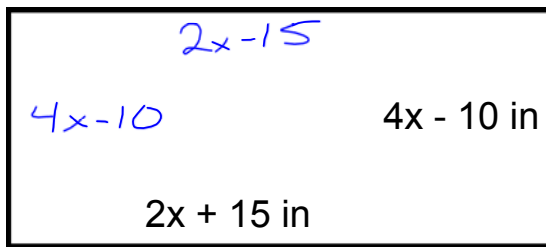
1. Find the area and perimeter of the figure.



2. If $x = 4$ in, what is the area and perimeter of the figure.
3. If painting the area will cost \$20 plus \$5 per square inch, how much will it cost for this to be painted?

Warm-up 2/12

1. Find the area and perimeter of the figure.



$$2(2x+15) + 2(4x-10)$$

$$4x + 30 + 8x - 20$$

$$12x + 10 \text{ in}$$

Perimeter

$$A: (4x-10)(2x+15)$$

$4x \quad -10$

$2x$	$8x^2$	$-20x$
15	$60x$	-150

$$8x^2 - 20x + 60x - 150$$

$$\text{Area: } 8x^2 + 40x - 150 \text{ in}^2$$

2. If $x = 4$ in, what is the area and perimeter of the figure.

Area: $8(4)^2 + 40(4) - 150 = 138 \text{ in}^2$

Perimeter: $12(4) + 10 = 58 \text{ in}$

3. If painting the area will cost \$20 plus \$5 per square inch, how much will it cost for this to be painted? $\text{Cost} = 20 + 5x$ $x = \text{sq in}$

$$= 20 + 5(138)$$

$$= \$710$$

Work on your Projects

I am here to help, so
come and see me with
any questions you have.