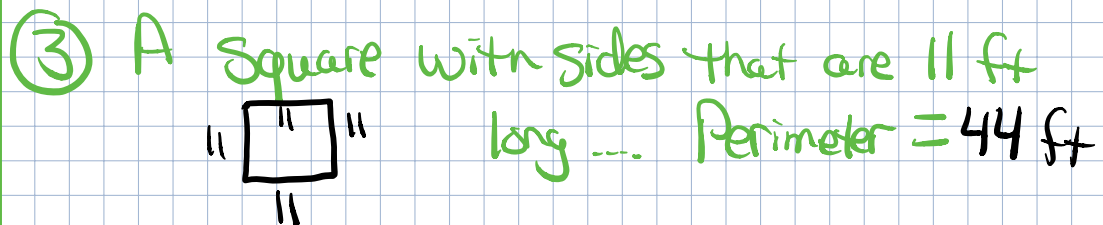
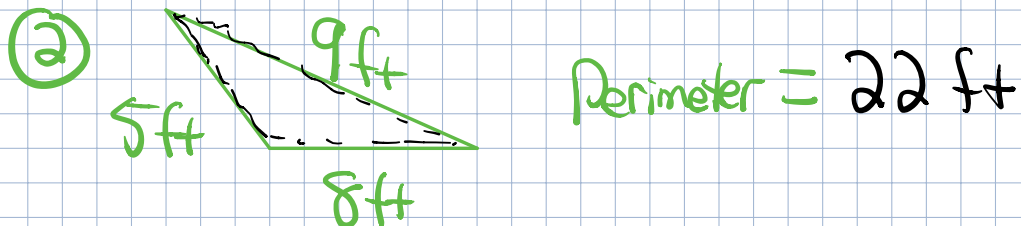
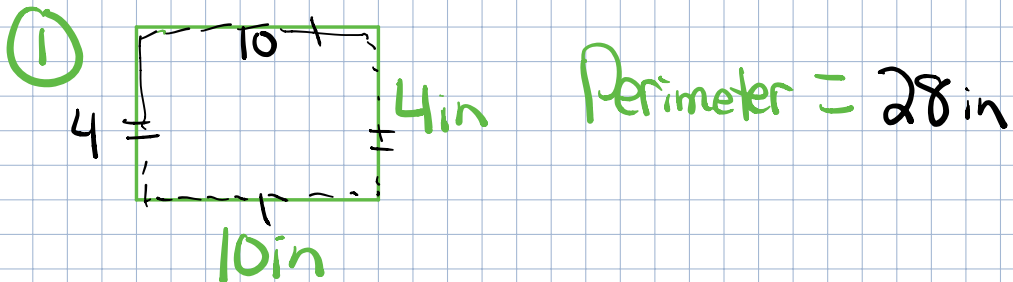


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Area of Parallelograms, Triangles, and Trapezoids

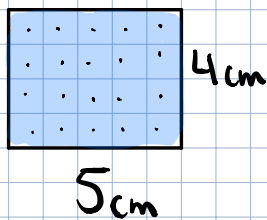
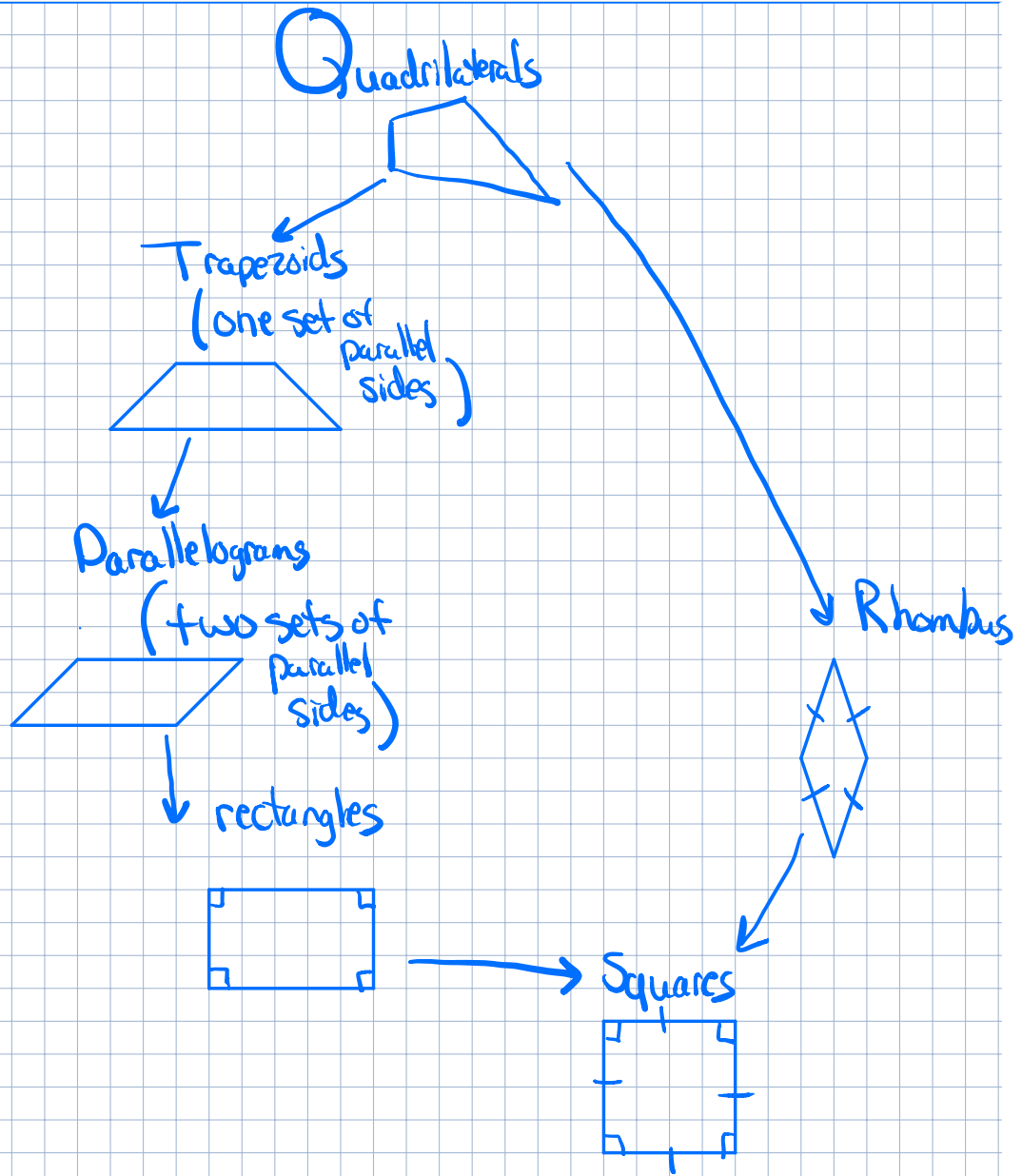
Warm Up



④
$$\frac{3x}{3} = \frac{18}{3} \quad x = 6$$

⑤
$$\frac{1}{2}x + 12 = 36$$

$$\begin{array}{r} \frac{1}{2}x + 12 = 36 \\ -12 \quad -12 \\ \hline \frac{1}{2}x = 24 \\ \cdot \frac{2}{2} \quad \cdot \frac{2}{2} \\ \hline x = 48 \end{array} \quad x = 48$$

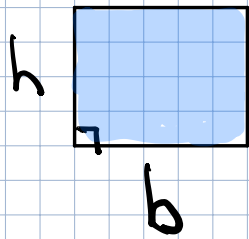


$$20\text{cm}^2$$

$$A = lw$$

$$A = 5(4)$$

$$A = 20\text{cm}^2$$

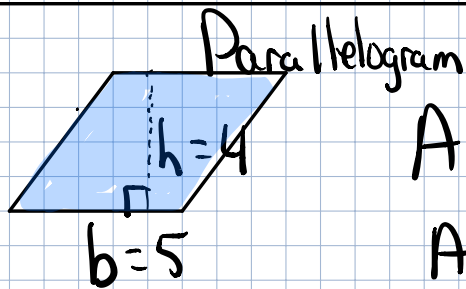


base = b
height = h

$$A = bh$$

$$A = 5(4)$$

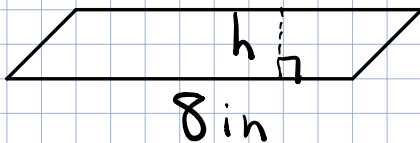
$$A = 20 \text{ cm}^2$$



$$A = bh$$

$$A = 5(4)$$

$$A = 20 \text{ units}^2$$



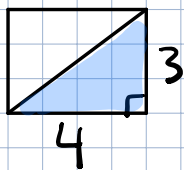
$$A = 32 \text{ in}^2$$

$$A = bh$$

$$32 = 8h$$

$$4 \text{ in} = h$$

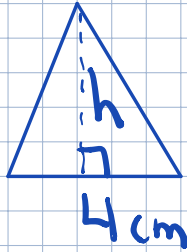
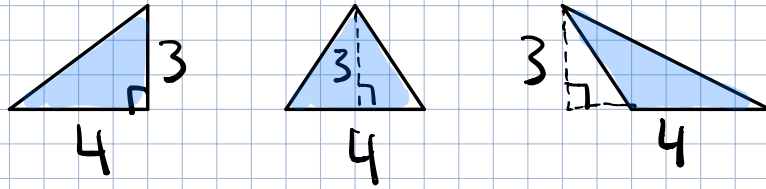
Triangle



$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(4)(3)$$

$$A = 6 \text{ units}^2$$



$$A = 24 \text{ cm}^2$$

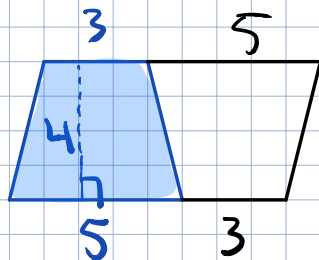
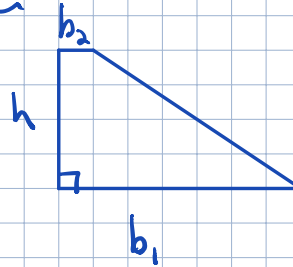
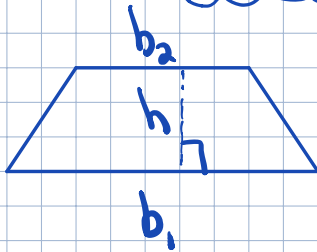
$$A = \frac{1}{2}bh$$

$$24 = \frac{1}{2}(4)h$$

$$24 = 2h$$

$$12 \text{ cm} = h$$

Trapezoids



$$A = \frac{1}{2}(4)(5+3)$$

$$A = 16 \text{ units}^2$$

$$A = \frac{1}{2}h(b_1 + b_2)$$

HW WS 1 all WS #1-3