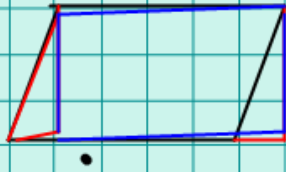


4.6 Area Formulas

Area of a Parallelogram

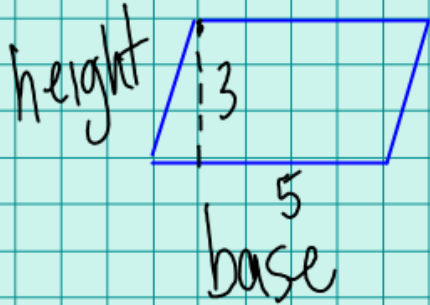
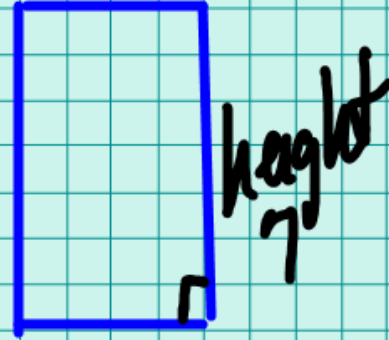


$$A = \text{base} (\text{height})$$



$$A = lw$$

$$A = bh$$



base
4

$$A = 4(7)$$

$$A = 28 \text{ units}^2$$

$$\text{Area} = \text{base}(\text{height})$$

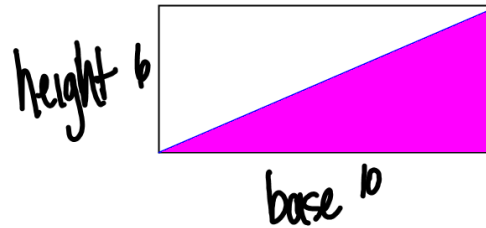
$$A = 5(3)$$

$$A = 15 \text{ units}^2$$

Area of a Triangle

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

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



$$A = \frac{10(6)}{2}$$

$$A = 30 \text{ units}^2$$

Area of Rectangle = bh

$$A = 10(6)$$

$$A = 60 \text{ units}^2$$

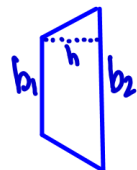
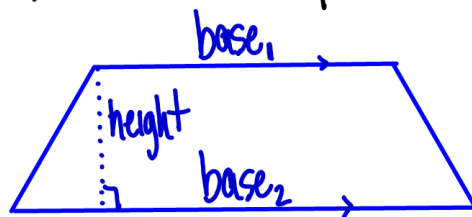
Area of a $\Delta = \frac{1}{2}bh$

$$b = 5 \quad h = 8$$

$$A = \frac{1}{2}(5)(8)$$

$$A = 20 \text{ units}^2 \quad 2 \frac{1}{2}(8)$$

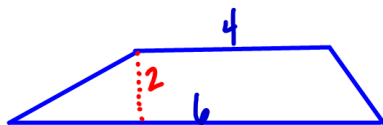
Area of a Trapezoid



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

OR

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



$$A = \frac{2(4+6)}{2}$$

$$A = \frac{2(10)}{2}$$

$$A = 10 \text{ units}^2$$

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