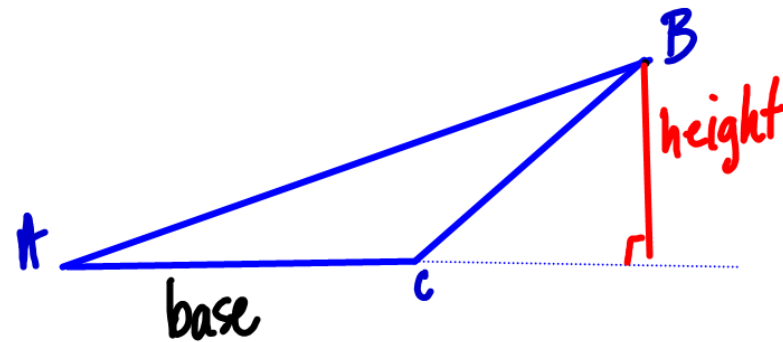
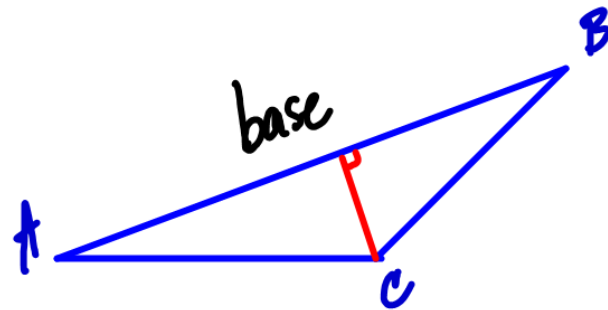
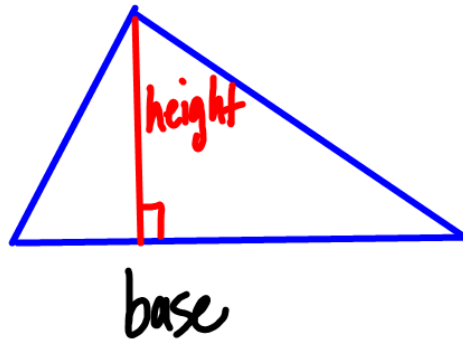


5.2 Area of a Triangle

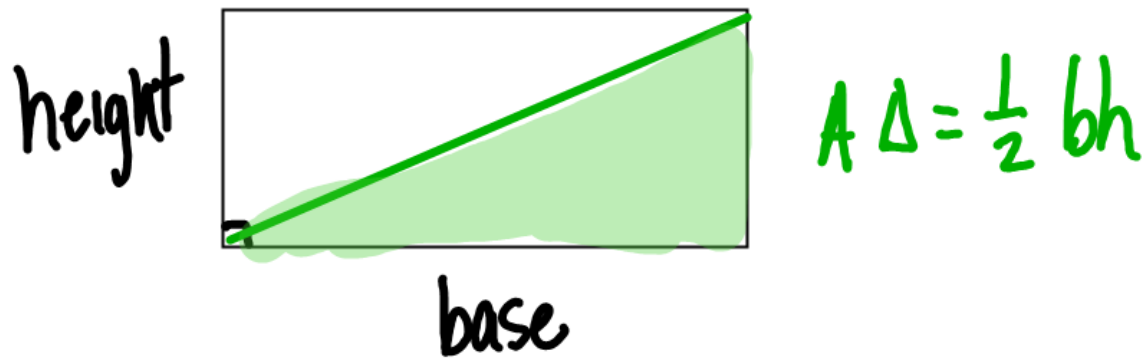


\overline{AC} base

Area of a Triangle

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

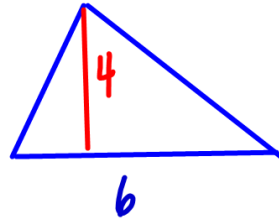
$$A = \frac{bh}{2}$$



Area of a rectangle

$$A = lw$$

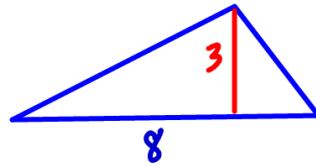
$$A = bh$$



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

$$A = \frac{1}{2}(6)(4)$$

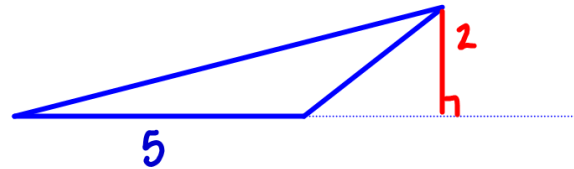
$$A = 12 \text{ units}^2$$



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

$$A = \frac{1}{2}(8)(3)$$

$$A = 12 \text{ units}^2$$



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

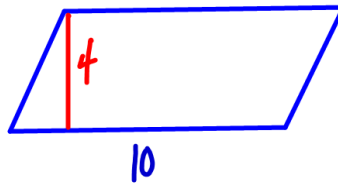
$$A = \frac{1}{2}(5)(2)$$

$$A = 5 \text{ units}^2$$

Area of a Parallelogram

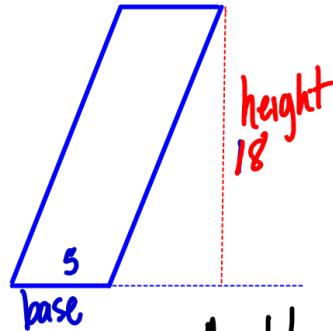


$$A = bh$$



$$A = 10(4)$$

$$A = 40 \text{ units}^2$$

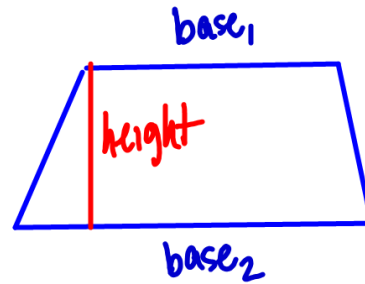


$$A = bh$$

$$A = 5(18)$$

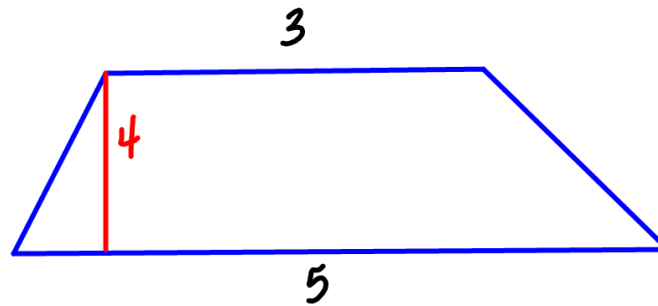
$$A = 90 \text{ units}^2$$

Area of a Trapezoid



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

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



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

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

$$A = \frac{1}{2} (4) (8)$$

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

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10-30 All