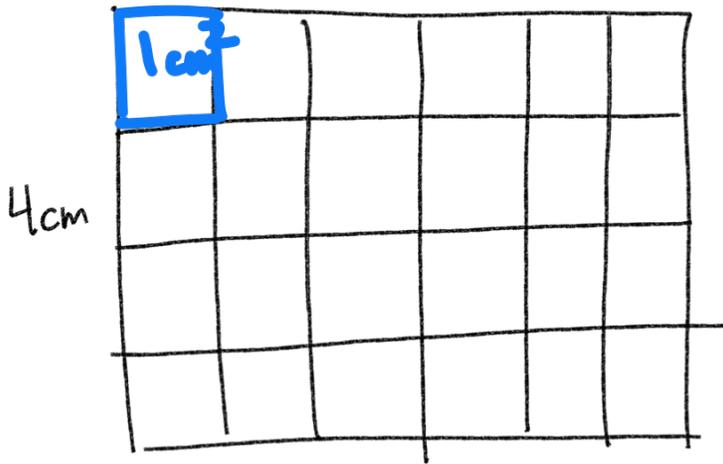


6 cm



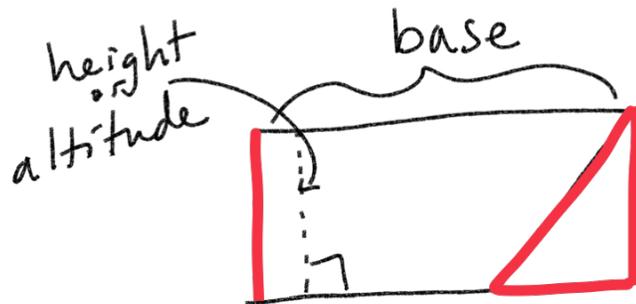
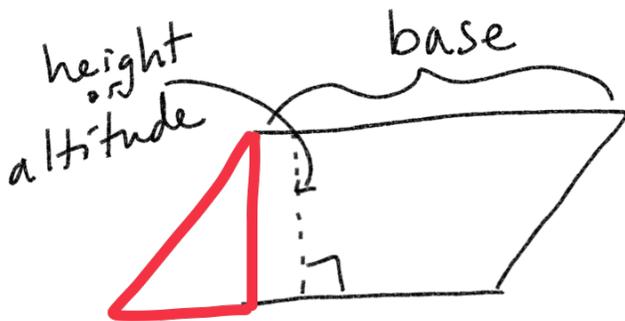
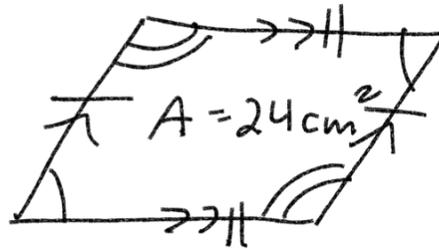
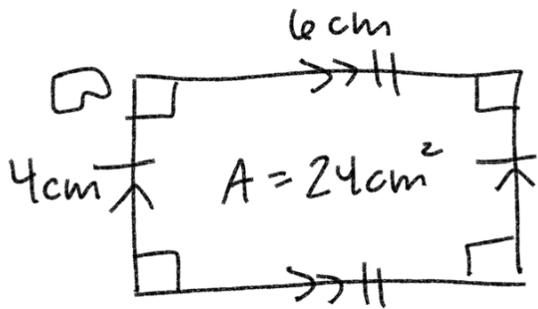
Area = base * height

$$A = bh$$

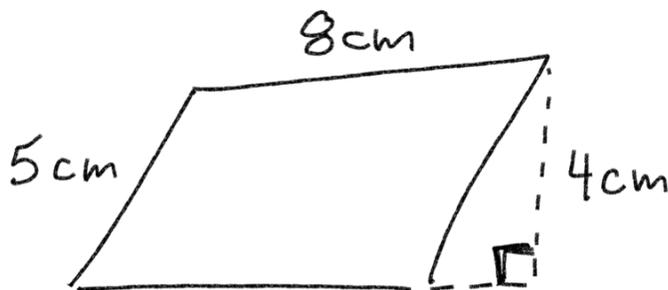
$$A = (6\text{ cm})(4\text{ cm})$$

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

24 square centimeters



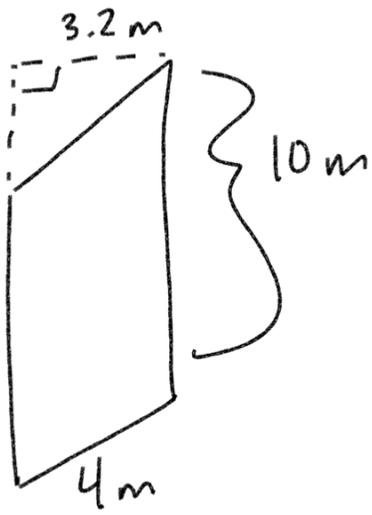
Area = base * height (altitude)



$$A = bh$$

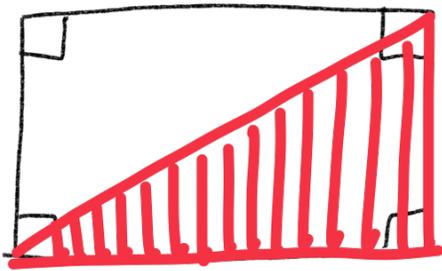
$$(8\text{ cm})(4\text{ cm})$$

$$32\text{ cm}^2$$



$$A = bh = (10\text{m})(3.2\text{m})$$

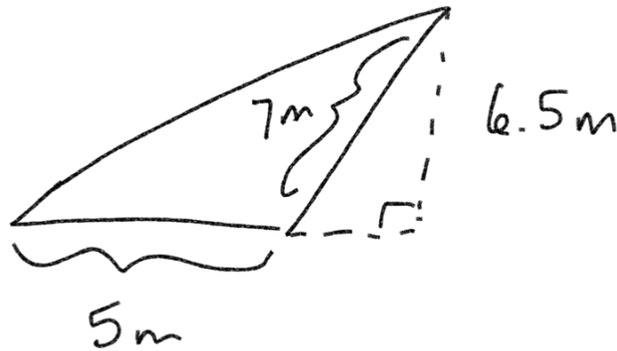
$$\boxed{32\text{m}^2}$$



if a triangle is $\frac{1}{2}$ of a rectangle, its area is $\frac{1}{2}bh$

Area of Rectangle : bh

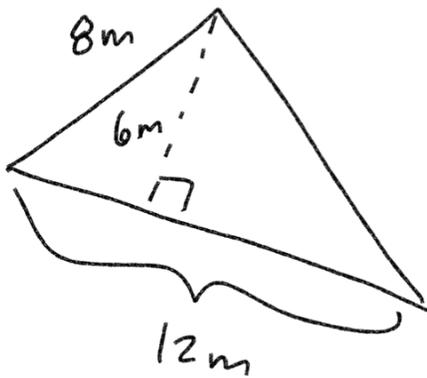
Area of Triangle : $\frac{1}{2}bh$



$$\text{Area} = \frac{1}{2}bh$$

$$\frac{1}{2}(5\text{m})(6.5\text{m}) = \boxed{16.25\text{m}^2}$$

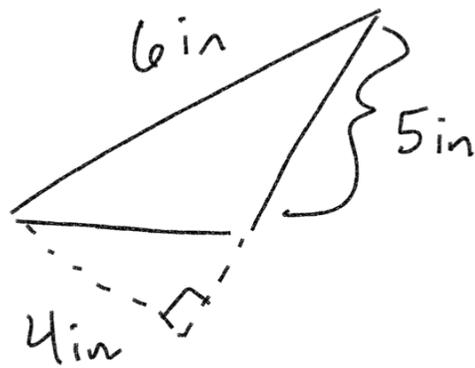
1.)



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

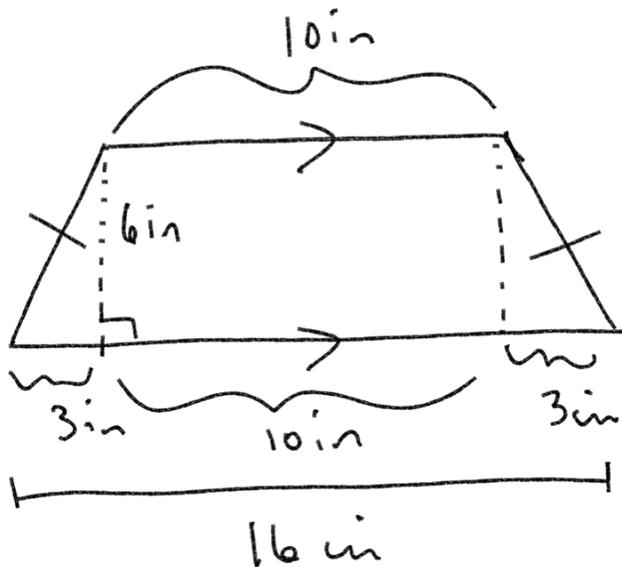
$$\frac{1}{2}(12m)(6m) = \boxed{36m^2}$$

2.)



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

$$\frac{1}{2}(5in)(4in) = \boxed{10in^2}$$



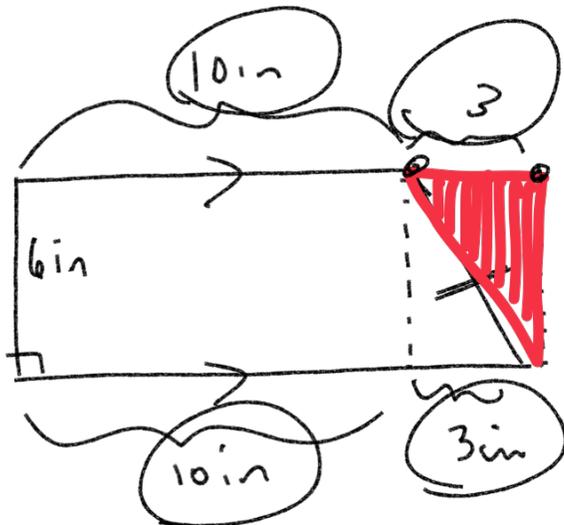
Area of
Trapezoid

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

$$A = \left(\frac{10in + 16in}{2}\right)(6in)$$

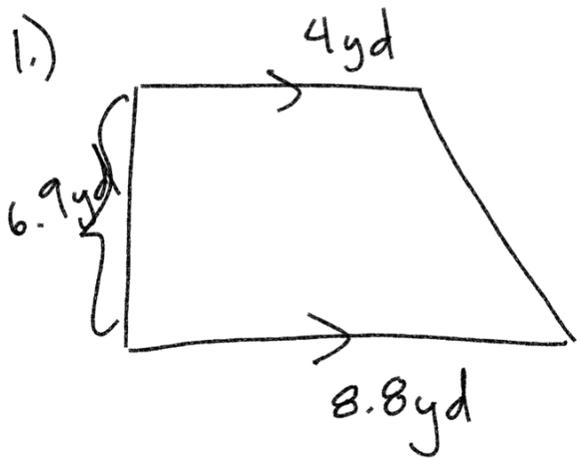
$$\left(\frac{26}{2}\right)(6)$$

$$(13)(6) = \boxed{78in^2}$$

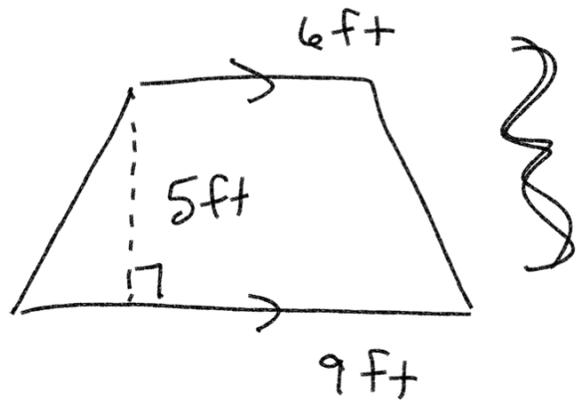


$$A = bh$$

$$(13in)(6in) = \boxed{78in^2}$$



2.)



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

$$\frac{1}{2} (4 \text{ yd} + 8.8 \text{ yd}) (6.9 \text{ yds})$$

$$\frac{1}{2} (12.8 \text{ yd}) (6.9 \text{ yds})$$

$$44.16 \text{ yd}^2$$

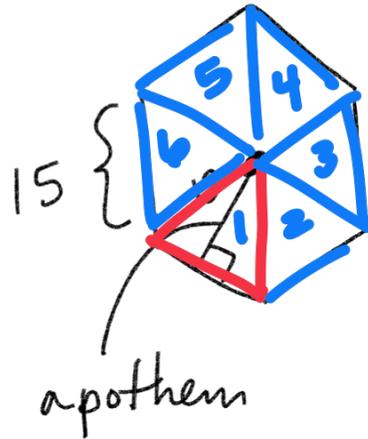
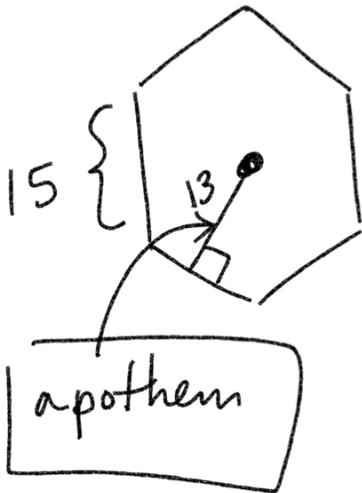
$$A = \frac{1}{2} (b_1 + b_2) (h)$$

$$\frac{1}{2} (6 \text{ ft} + 9 \text{ ft}) (5 \text{ ft})$$

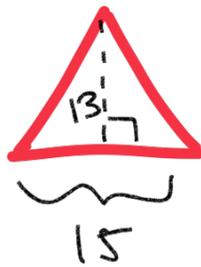
$$\frac{1}{2} (15 \text{ ft}) (5 \text{ ft})$$

$$37.5 \text{ ft}^2$$

Regular Polygon
 ↳ all sides equal



$$\frac{97.5 * 6}{585 \text{ units}^2}$$



Area of Triangle : $\frac{1}{2}bh$
 $\frac{1}{2}(15)(13) = 97.5 \text{ units}^2$

Area of Regular Polygon

$$\frac{1}{2}(\text{perimeter})(\text{apothem})$$

$$\frac{1}{2}(15 * 6)(13) = 585 \text{ units}^2$$



$$A = \frac{1}{2}(\text{perimeter})(\text{apothem})$$

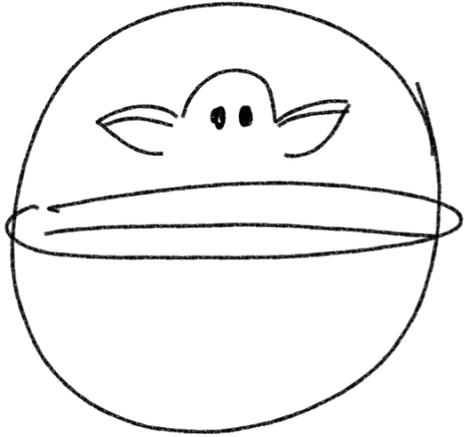
$$\frac{1}{2}(30.5 * 5)(21) =$$

$$1601.25 \text{ units}^2$$

Volume of Sphere

$$V = \frac{4}{3} \pi r^3$$

$$V = \frac{4}{3} \pi \left(\frac{d}{2}\right)^3$$



$$d = 22 \text{ m}$$

$$V = \frac{4}{3} \pi \left(\frac{22 \text{ m}}{2}\right)^3$$

$$\frac{4}{3} \pi (11 \text{ m})^3$$

$$5575 \text{ m}^3$$