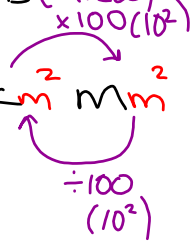


Feb. 1st

2 Dimensional

Metric Conversions (Area)

Km^2 Hm^2 Dm^2 M^2 Dm^2 cm^2 mm^2



ex #1

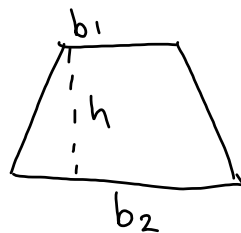
$$30m^2 = \underline{300,000} cm^2$$

$$30 \times 100 \times 100$$

$$30 \times 100^2$$

$$30 \times 10000$$

Area of a Trapezoid



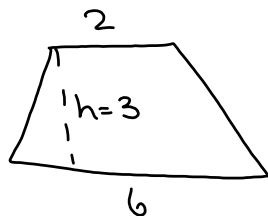
b_1 = base #1

b_2 = base #2

h = height

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

ex #1



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

$$A = \frac{(2 + 6) \cdot 3}{2}$$

$$A = \frac{8 \cdot 3}{2}$$

$$A = \frac{24}{2}$$

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

H/w corrections
p 178



$$\begin{aligned} \text{Area} &= l \cdot w - \\ &= (11)(5) \\ &= 55 \text{ cm}^2 \end{aligned}$$



$$\begin{aligned} \text{Area} &= (l)(w) \\ &= (55)(55) \\ &= 3025 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \# \text{ of rectangles} &= 3025 \div 55 \\ &= 55 \text{ rectangles} \end{aligned}$$

$$\text{Rhombus} = \frac{D_1 \times D_2}{2}$$

