3/29/12 10.1 & 10.2

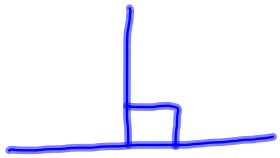
① Area of Parallelogram &
② Area of a Triangle

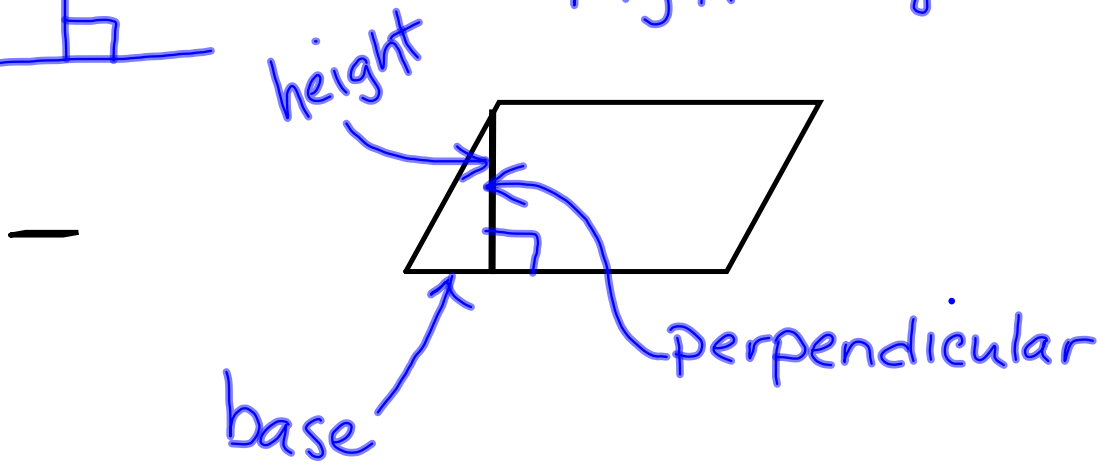
① Area = base x height

P. 476 ~ Ex 1.

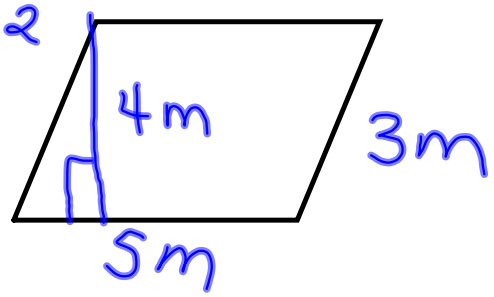
* Base = length of any of its sides
* height = perpendicular distance from base to opposite side

* perpendicular = 2 lines that meet at a right angle



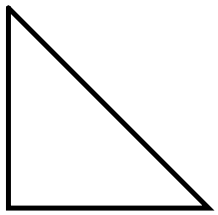


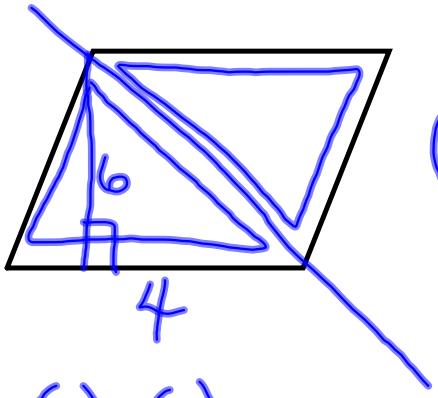
Area = $5 \times 4 = 20m^2$



② Area of a △

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





P. 480

* Take half of the 1st # & then multiply

OR

* Multiply & THEN take half.

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

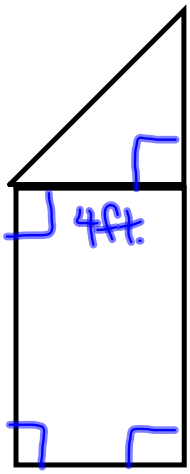
$2 \cdot 6 = 12^2$

$4 \times 3 = 12$

A△: $\frac{12}{2} = 6$

$\frac{4}{2} \times 3 =$

$2 \times 3 = 6 ft^2$



A□:

$4 \times 6 = 24 ft^2$

$24 + 6 = 30 ft^2$

P. 481 Ex 3:

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

$$36 = \frac{1}{2}(8)(h)$$

$$\frac{36}{4} = \frac{4(h)}{4}$$

$$9 = h$$

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

$$24 = \frac{1}{2}(b)(8)$$

$$24 = 4(b)$$

$$6 = b$$

Finding an Unknown Dimension

P. 477 Ex 2

$A = bh$

$45 = b9$ } $\frac{45}{9}$, $9\overline{)45}$, $45 \div 9$

$b = 5$

$72 = 12h$

$72 = 12 \times 6$

$4 = x2$

$\frac{4}{2} = x$

$2 = x$

In Class:

p. 478-479 #s 5-15

p. 482-483 #s 7-21

HW: WS 10.1 - 10.2