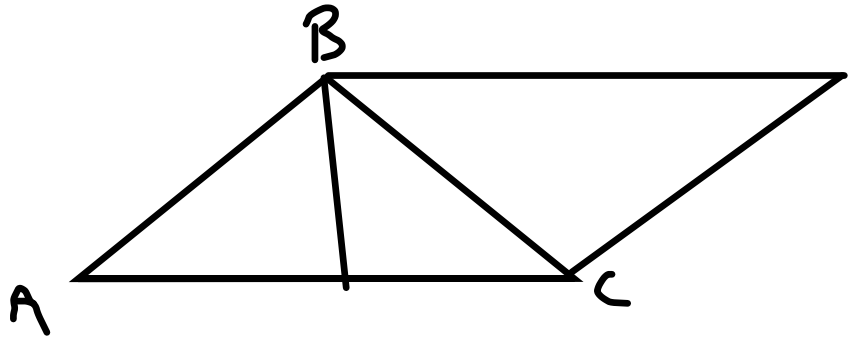
# Sec. 8.3

April 19, 2007

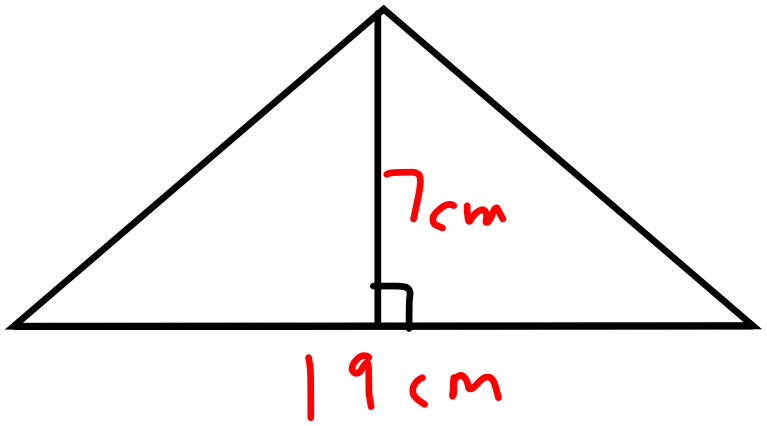
## Area of Triangles




$A_P = b \cdot h$

$A_T = \frac{1}{2}(b \cdot h)$

# Find the area




$$A_T = \frac{1}{2}(b \cdot h)$$

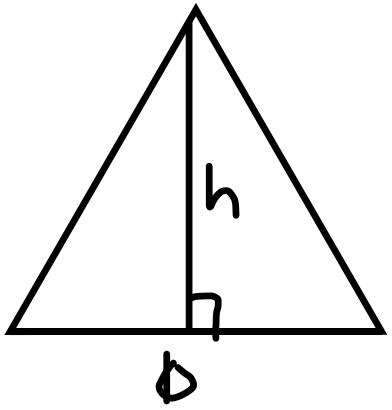
$$= \frac{1}{2}(19\text{cm} \cdot 7\text{cm})$$

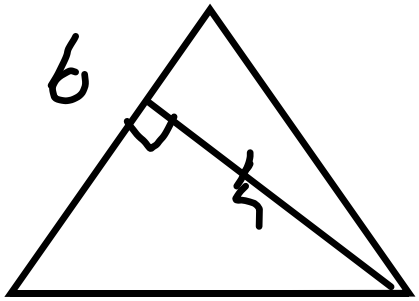
$$= \frac{1}{2}(133\text{cm}^2)$$

$$= 66.5\text{cm}^2$$

$$\begin{array}{r} 19 \\ \times\ 7 \\ \hline 133\text{cm}^2 \end{array}$$

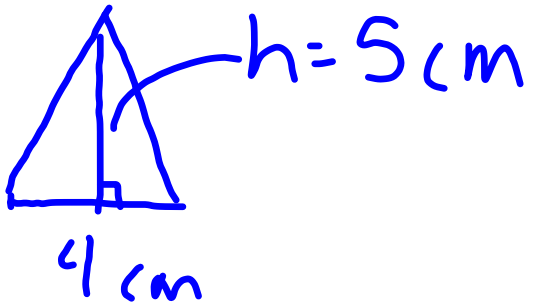
$$\begin{array}{r} 66.5 \\ 2\overline{)133} \\ 12 \\ \hline 13 \\ 12 \\ \hline 10 \end{array}$$




Base and Height have to form a 90° angle or right angle.

# Christmas cookie cutter




$$A_T = \frac{1}{2}(b \cdot h)$$

$$= \frac{1}{2}(4\text{cm} \cdot 5\text{cm})$$

$$= \frac{1}{2}(20\text{cm}^2)$$

$$= 10\text{cm}^2$$

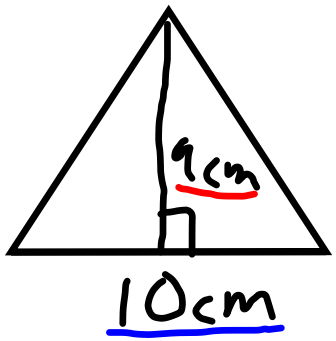
**Find the Area of a Triangle with a base of 10 cm and a height of 9cm. Give the Formula first.**

$$A_T = \frac{1}{2}(b \cdot h)$$

$$= \frac{1}{2}(10\text{cm} \cdot 9\text{cm})$$

$$= \frac{1}{2}(90\text{cm}^2)$$

$$= 45\text{cm}^2$$



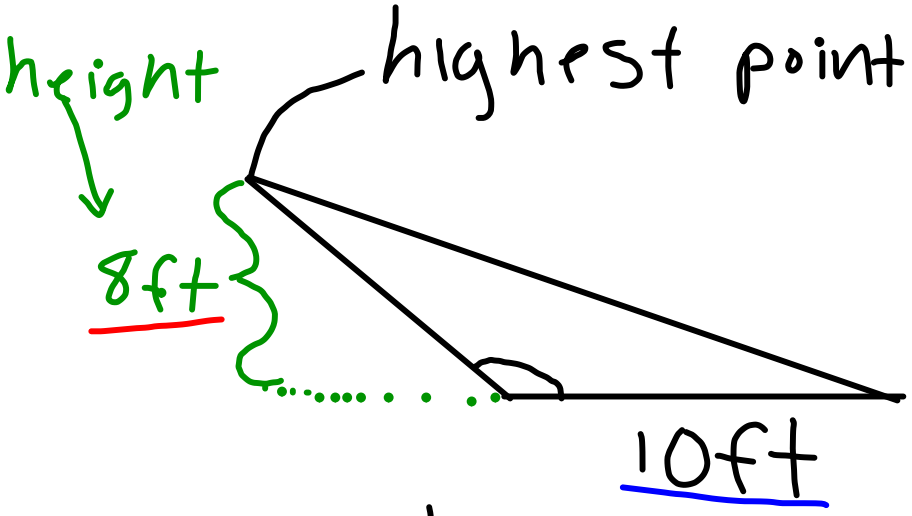

$$2\overline{)90}$$

$$8$$

$$10$$

45

Find the area




$$A_{\triangle} = \frac{1}{2}(b \cdot h)$$

$$= \frac{1}{2}(10\text{ft} \cdot 8\text{ft})$$

$$= \frac{1}{2}(80\text{ft}^2)$$

$$= 40\text{ft}^2$$

O.T.L.

pg. 253 All in written

1, 4, ~~8~~ 11, 16, 19