Notes on
Finding the Area
of a Triangle

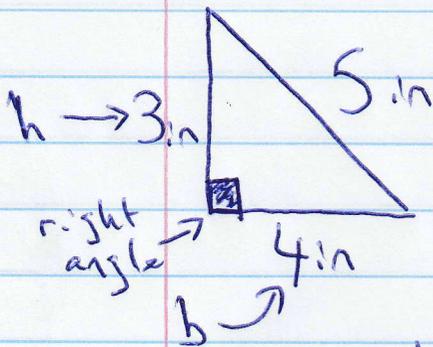— The formula for finding the area is

$$A = \frac{1}{2} \cdot b \cdot h \text{ or } \frac{b \cdot h}{2}$$, b = base and
h = height.

The answer is always in units squared, like "in^2."

✱ The base and height of any triangle are always connected to a right angle. (⌐)

Example
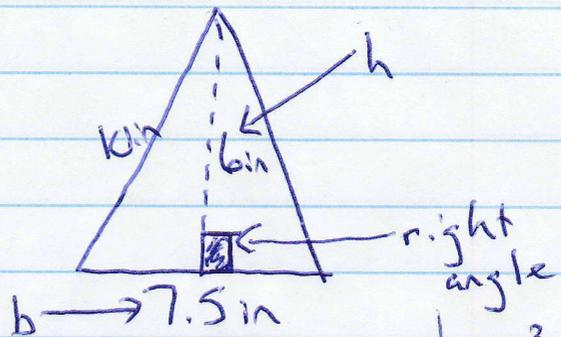

$$A = \frac{1}{2} \cdot b \cdot h$$
$$= \frac{1}{2} \cdot 3 \cdot 4$$
$$= \frac{1}{2} \cdot 12$$
$$\boxed{A = 6 \, in^2}$$

Example

$$A = \frac{1}{2} \cdot 6 \cdot 7.5$$
$$A = \frac{1}{2} \cdot$$
$$= \frac{1}{2} \cdot 45$$
$$\boxed{A = 22.5 \, in^2}$$

$$\begin{array}{r} \overset{3}{7.5} \\ \times \ 6 \\ \hline 45.0 \end{array}$$

$$\begin{array}{r} 22.5 \\ 2\overline{)45.0} \end{array}$$