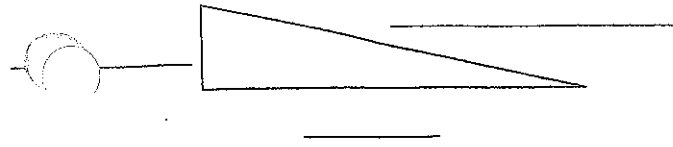


## Triangle Review:



## Pythagorean's Theorem:



\*\* We use this when the question gives us:

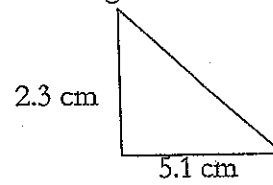
OR

Practice:

Given both legs of the triangle:

What is the length of the hypotenuse if the legs measure 3 and 4 feet?

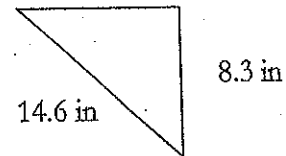
Find the length of the missing side.



Given one leg of the triangle and the hypotenuse:

One leg of a triangle is 6 meters long, its hypotenuse is 10 meters long, what is the length of the other leg?

Find the length of the missing leg.



Is this really a right triangle?

If a triangle has side lengths of 5.3 cm, 7.8 cm, and 10.4 cm, is it a right triangle?

If a triangle has side lengths of 4.8 cm, 6.5 cm, and 8.1 cm, is it a right triangle?

When solving word problems, you should follow the following steps.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Examples:

To get from point A to point B you must avoid walking through a pond. To avoid the pond, you must walk 34 meters south and 41 meters east. To the *nearest meter*, how many meters would be saved if it were possible to walk through the pond?

In a computer catalog, a computer monitor is listed as being 19 inches. This distance is the diagonal distance across the screen. If the screen measures 10 inches in height, what is the actual width of the screen to the *nearest inch*?

The foot of a ladder is placed 6 feet from a wall. If the top of the ladder rests 8 feet up on the wall, how long is the ladder?