Pythagorean Theorem 2.7.17

Go over homework

Do more word problems from book with a partner.

Pythagorean Theorem $a^2 + b^2 = c^2$

This is to help find the missing sides of a right triangle. A right triangle is a triangle with a 90 degree angle.
There are 3 sides on a triangle. The longest side is the called the hypotenuse. The hypotenuse is always opposite the 90 degree angle. The two shorter sides are called legs.

Given the triangle with the legs find the hypotenuse.

Show how to take the square root on a calculator make sure it is a regular calculator and not just the phone because of MCAS
Draw each triangle
3 and 4
6 and 8
12 and 16.

Given the hypotenuse and the leg find the missing leg.
Hypotenuse 25 and a leg of 15
Hypotenuse 15 and a leg of 9
Hypotenuse 100 and a leg of 80.

HW: Worksheet #7-16