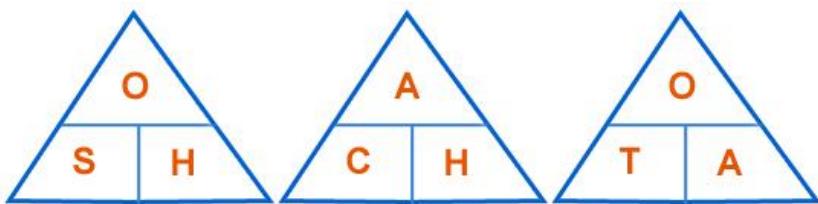
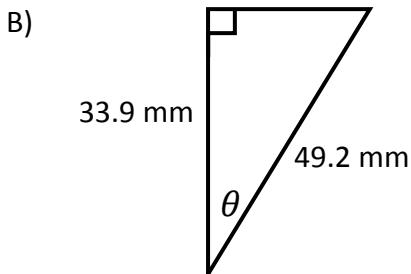
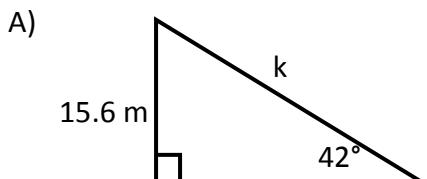


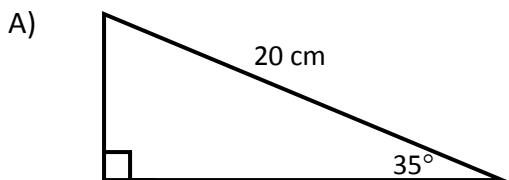
MPM 2D
SOLVING RIGHT TRIANGLES



EXAMPLE 1: Determine the unknown value.



EXAMPLE 2: Solve each triangle.



B) $\triangle PQR$, $P = 90^\circ$, $q = 14\text{m}$, $r = 8\text{m}$

EXAMPLE 3: A ladder leaning against a vertical wall is safe if its base makes an angle between 75° and 79° with the ground.

A) Is a 6-foot ladder safe if its top is placed 5 feet up the side of a building?

B) What is the maximum safe distance from the base of the ladder to the wall?

