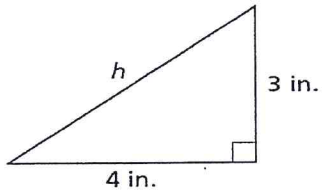
Use Pythagorean Theorem to determine if the three lengths will make a right, acute or obtuse triangle: Show work by determining which is "c" and filling in c^2 ? $a^2 + b^2$. Check to see if >, <, or =

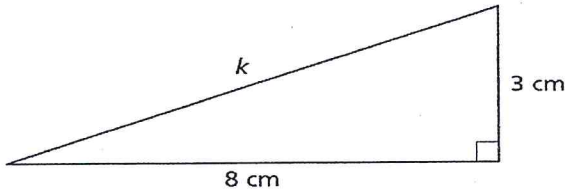
a) 15 cm, 20 cm, 25 cm b) 7 cm, 8 cm, 9 cm c) 6 cm, 11 cm, 8 cm

Find the missing length(s).

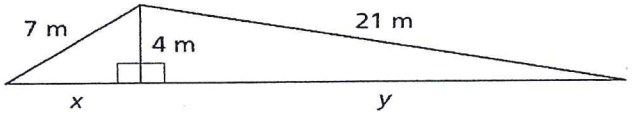
5.



6.

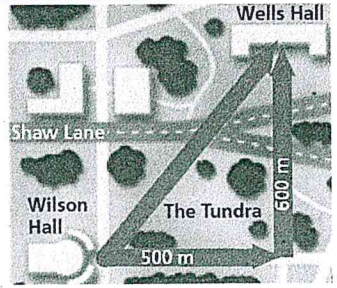


7.



Practice #2

Moesha, a college student, needs to walk from her dorm room in Wilson Hall to her math class in Wells Hall. Normally, she walks 500 meters east and 600 meters north along the sidewalks, but today she is running late. She decides to take the shortcut through the Tundra.



a. How many meters long is Moesha's shortcut?

b. How much shorter is the shortcut than Moesha's usual route?

Practice #3

At Emmit's Evergreen Farm, the taller trees are braced by wires. A wire extends from 2 feet below the top of a tree to a stake in the