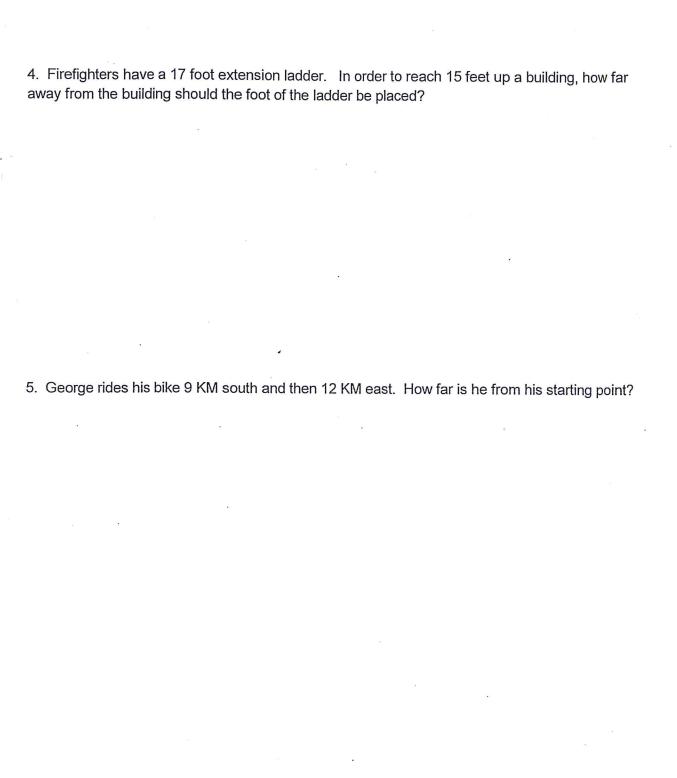# Pythagorean Theorem Worksheet

1. A rectangle has a width of 4 feet and a length of 5 feet. How long is the diagonal?

2. Find the length of a rectangle that has a diagonal of 25 feet and a width of 15 feet.

3. A 20 foot ladder is leaned against a wall. If the base of the ladder is 8 feet from the wall, how high up the wall will the ladder reach?

4. Firefighters have a 17 foot extension ladder. In order to reach 15 feet up a building, how far away from the building should the foot of the ladder be placed?

5. George rides his bike 9 KM south and then 12 KM east. How far is he from his starting point?

Worksheet Answers: 6.4 ,   20 ,   18.33 ,   8   , 15