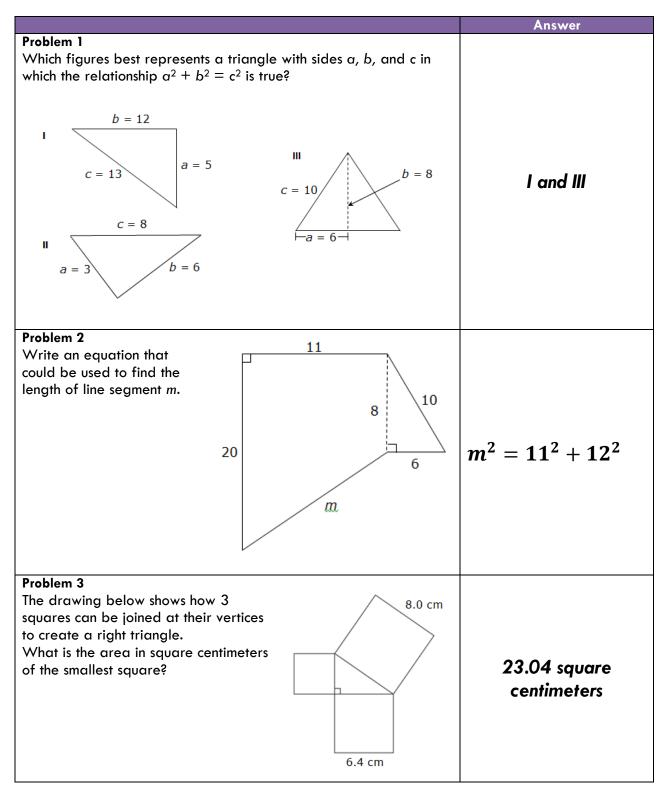


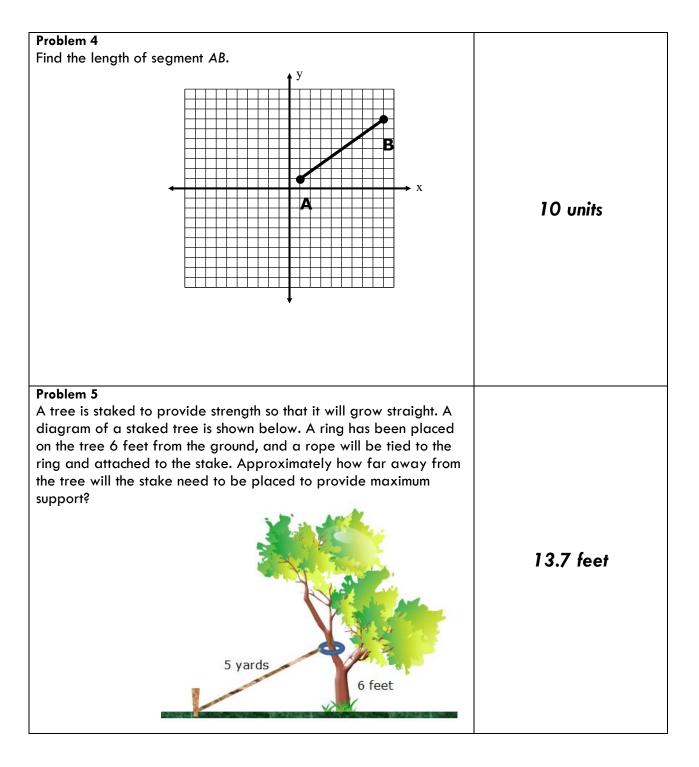
Pythagorean Theorem

Elaborate – Answer Key

Directions: Solve each problem. Sketch a picture and record your solution.









Problem 6 A 34-foot ladder leans against a building. The bottom of the ladder is 16 feet from the base of the building. How far up the side of the building does the ladder reach?	30 feet
Problem 7 A gardener wants to divide a rectangular garden into 4 different areas along both diagonals, as shown below. If he plans to use twine to divide the garden, what is the 12 ft minimum length of twine the gardener 5 ft	26 feet
Problem 8 What is the distance between points X and Y?	√41

