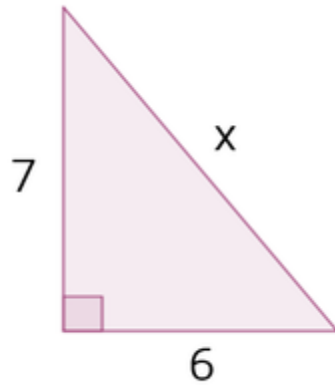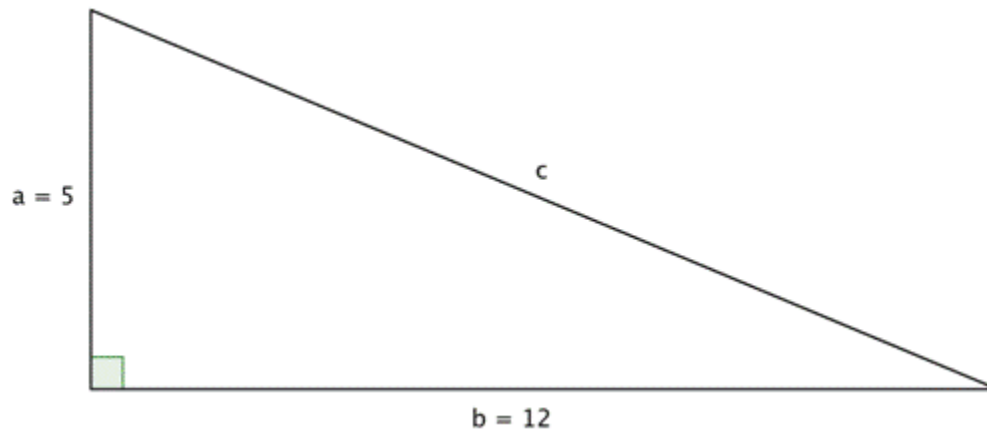**Instructions**: Show all work. Partial credit can only be given where work is shown. Be sure to answer all parts of each question. You may not use a calculator on this quiz.

1. Solve for the missing side using the Pythagorean Theorem.

a.

b.

2. A Pythagorean Triple is a set of three integers that satisfies the equation $a^2 + b^2 = c^2$. List three examples of Pythagorean Triples and show that they satisfy the equation.