Math 2   Name_____ ID: 1

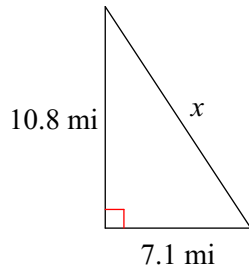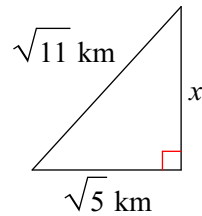# Pythagorean Theorem
Date_____ Period_____

Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

Find the missing side of each triangle. Leave your answers in simplest radical form.
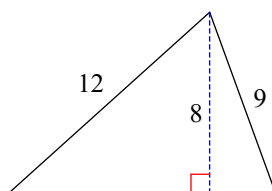
1)

2)

State if the three side lengths form an acute, obtuse, or right triangle.

3) $\sqrt{1157}$ km, $\sqrt{1147}$ km, 48 km

Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

4)

5) Challenge Extension: Find a proof of the Pythagorean Theorem and explain it in your own words.