Name _____   Date _____
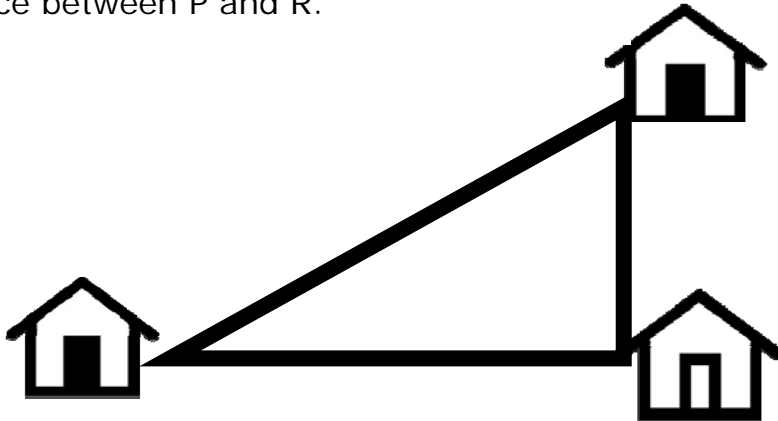
Unknown Side Lengths in Right Triangle - Guided Lesson

Complete the following problems:

1) George walks 20-meters in an east to west direction. He stops and then walks in a west to south direction for 6 meters. How much distance does he have to walk to reach from initial point to end point?

2) There are 3 towns P, Q, R in a large city. The towns are connected by roads forming a triangle. The distance from P to Q is 6 km and Q to R 9 km. Find the distance between P and R.

3) John makes an envelope with paper for his friend's birthday. The height of the envelope is 15 centimeters and it is 7 centimeters long across the diagonal. Find the length of the base of the envelope.