

Name _____

Class _____

Pythagorean Theorem Word Problems #2

Directions:

1. Draw a picture
2. Identify what is missing
3. Show all work
4. Solve—simplify your answer
5. Circle your answer

1. A triangle has a short leg with a length of nine. The other leg is twice as long. How long is the hypotenuse?

2. Both legs of a right triangle measure three. What is the length of the hypotenuse?

3. The bases of a softball diamond are sixty feet apart. How far is it from home plate to second base?

4. A ten foot ladder is leaning against a house with its base four feet from the base of the house. How far up the house does the ladder touch the house?
5. David walks six miles due north and then eight miles due west. How far is he from his starting point?
6. If the perimeter of a square is fifty six inches, find the length of the diagonal?
7. Find the diagonal of a square with a side of nine inches.
8. Find the diagonal of a rectangle if the sides are twelve inches and eight inches