**6.1 Pythagorean Theorem**

1. 5

2. 5

3. 5

4. 13.4 cm

5. Answers are:

a. (3,3)

b. 4.2

**Challenge problems:**

6. (4.2, 45°)

7. +21.9 **or** -21.9

8. Answers are:

a. (6,-3)

b. 6.7

9. Answers are:

a. (2,-2)

b. 2.8

10. Answers are:

a. (0,-5)

b. 5

11. Answers are:

a. (2.5, -6.5)

b. 7.0