Trigonometry
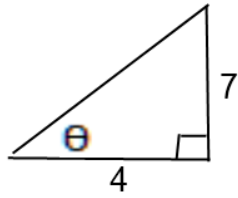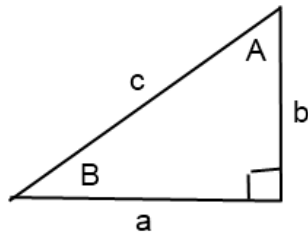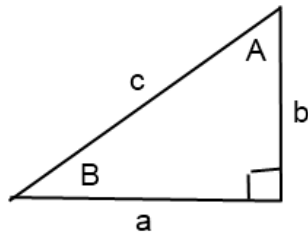## Chapter 4 Test Review

1. Find the exact value of the six trigonometric functions of the angle θ in each figure.

2. Use the right triangle shown below to solve the triangle given: b = 8, B = 25°

3. Use the right triangle shown below to solve the triangle given: a = 6, b = 4

4. A 15 foot ladder leaning against a building makes a 55° angle with the ground. How far up the building does the ladder touch?

5. Solve each triangle: A = 35°, B = 25°, a = 4

6. Determine how many triangles there are and solve them: A = 25°, a = 6, b = 7

7. Solve each triangle: a = 3, c = 2, B = 15°

8. Solve each triangle: a = 5, b = 3, c = 7

9. Find the area of the triangle given: A = 35°, b = 4, c = 8

10. Find the area of the triangle given: a = 5, b = 3, c= 7