Answer Key for Practice Worksheet 8-4

1) b = 3   c = $3\sqrt{2}$

2) a = b = 5

3) a = $5\sqrt{3}$ c = $5\sqrt{6}$

4) a = b = $\dfrac{9\sqrt{2}}{2}$

5) $12\sqrt{2}$

6) $4\sqrt{2}$

7) b = $10\sqrt{3}$ c = 20

8) a = 12   b = $12\sqrt{3}$

9) a = 5   c = 10

10) a = $5\sqrt{3}$ c = $10\sqrt{3}$

11) 36

12) diagonal 1 = 16
    Diagonal 2 = $16\sqrt{3}$