**Answers to Unit #6 Review (with hints)**

1. Write the equation for the circle with center at (-2,3) and r = 3, then multiply everything out and find a match.

(C)

2. Complete the square(s) to change it into standard form first.

(A)

3. Sketch a graph and figure out where the vertex should be.

(D)

4. Just like 3, graph it to find the vertex first.

(C)

1. If the radius is 3, then the point (0, 3) is on the circle.

(B)

2. Drawing a sketch of this on the graph makes this so much easier.

(B)

1. Again… Sketch the graph to locate the vertex

(B)

2. A rectangle (by definition) is a parallelogram with congruent diagonals.

(B)

3. Write the equation of the circle, then substitute the points to see which one yields a true statement.

(D)