

Name _____ Chapter 10 Quiz 2 (10.5-10.9)

Directions: Work through each question in PENCIL. Circle or square each of your answers.

Factor to solve each quadratic equation. (3 points each)

1. $x^2 + 6x + 5 = 0$

2. $6x^2 - 5x = 4$

Answer the following. (4 points each)

3. What is the quadratic formula?

4. The discriminant is $b^2 - 4ac$.

a. If the discriminant is _____ zero, there are two solutions.

b. If the discriminant is _____, there is _____ solution.

c. If the discriminant is negative, there are _____ solutions.

Use the quadratic formula to solve the quadratic equation. Round to the nearest hundredth if necessary. (3 points)

5. $-3x^2 + 5x = 2$