General Algebra II Class Worksheet #4 Unit 8 _____

Solve each of the following using the complete the square method. Express any rational solutions in simplest form (exact value). Express any irrational solutions rounded to the nearest hundredth. Express any complex solutions using a + bi form (exact value). Show your work neatly organized.

1. $x^2 + 2x - 8 = 0$

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

3. $x^2 + 2x - 2 = 0$

4. $x^2 - 3x + 3 = 0$

5. $x^2 - 3x + 1 = 0$

6. $x^2 - 3x - 10 = 0$

7. $3x^2 - 2x - 2 = 0$

8. $3x^2 - 2x - 1 = 0$

9. $3x^2 - 2x + 3 = 0$