Honors Math 2 **Unit 2 Review Sheet** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part I. Factor by the indicated method.**

Completing the square Quadratic Formula Quadratic Formula

1. 2. 3.

**Part II. Solve the following quadratic equations by factoring, quadratic formula, or completing the square. You may choose.**

4. 5. 6.

7. 8. 3x2 – 8x = 3 9. x2 + x = 30

**Part III. Give an example of a discriminant that would indicate each:**

10. 2 real, rational roots: 11. 2 real, irrational roots:

12. 2 imaginary roots: 13. 1 real root:

**Part IV. List ALL categories from the number system each number falls into.**

14. 7 15. 16. 17. 17

**Part IV. Simplify or Solve**

1. 19. 20.