**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CC Algebra**

**Mixed Factoring Homework**

**Directions:** Factor each of the following polynomials. State the factoring method you are using.

1. 16*b*2  4
2. *x* 2  36
3. *x* 3  3*x* 2  5*x*  15
4. 6*r* 2 *s*  3*rs* 2 *x*2
5. *x* 3  13 *x* 2  5*x*  65
6. 81*x* 4  16