Exam Review #4: Unit 8: Factoring Algebra 1 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_

**3 Methods of Factoring:**

1) **Greatest Common Factoring** (Backwards Distribution) (Hint: Is there a GCF?)

2) **Trinomials** (3 terms, what multiplies to c that adds to b?)

3) **Differences of Squares** (binomial, minus sign, square roots)

**Directions**: *Determine which method of factoring is going to be used for each polynomial. Factor the polynomial.*

1. 2. 3.

4. 5. 6.

7. 3 8. 9.

**Directions**: *Determine the Greatest Common Factor between the following:*

10. 11.

**Directions**:  *Solve each polynomial by factoring.*

12. 13. 14.

15. 16. 17.