**Test REVIEW: Factoring Algebra 1 Kitt**

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

**I. Finding the Greatest Common Factor**

1. Determine the prime factorization of the following numbers:

1.  b.  c. 

2. Find the greatest common factor between the following pair of numbers or expressions.

1. 20 and 120. b. 12 and 40. c. and .

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1. **Factor using Backwards Distribution**

3.  4.  5. 

6.  7.  8. 

**III. Factoring Trinomials**

9.  10.  11. 

12.  13.  14. 

**IV. Factoring Differences of Squares**

15.  16.  17. 

**V. Solve each polynomial by factoring.**

18. a. b. c.