**Classwork: Factoring 2**

Name:

Date: PD:

Trinomial with Leading Coefficient Greater than 1:

1) 2x2 – 3x – 2 2) 3x2 – 8x – 3

3) 16x2 – 8x + 14) 6x2 + 5x – 6

5) 3x2 + 2x – 8 6) 3x2 + 8x + 4

7) 2x2 + 10x + 12 8) 12x2 + 12x – 9

9) 9x2 + 15x + 6 10) 8x2 – 18x + 9

Greatest Common Monomial Factor

1. 3x2 + 9x 12) 4x3y – 6xy2

Difference of Two Squares.

13) x2 – 16 14) 16x2 – 9

Perfect Square Trinomials.

15) x2 + 14x + 49 16) x2 – 18x + 81

Factor by Grouping.

17) 2x2 – 6x + 5x – 15

Sum and Difference of Cubes.

18) x3 – 64 19) 125x3 + 27

Trinomials with Leading Coefficient of 1.

20) x2 + 9x + 18 21) x2 – 4x – 32

22) x2 + 4x – 5 23) x2 – 8x + 12