Unit 2 Polynomials Name_____

2.5 Factoring trinomials when a>1

Period____

Factor each completely. For Problems 1-4 also foil to check your work.

1) $2a^2 + 6a - 8$

2) $3v^2 - 21v + 36$

3) $2b^2 + 7b + 5$

4) $2v^2 - v - 1$

5) $3n^2 + 11n - 4$

6) $3n^2 - 17n + 20$

7) $3r^2 - 8r + 4$

8) $3x^2 - x - 4$

9) $3x^2 + 19x + 20$

10) $3p^2 + 17p + 10$

11) $4x^2 - 41x + 45$

12) $4x^2 + 3x - 10$

13) $6p^2 - 17p + 7$

14) $4r^2 + 5r - 21$

Factor the trinomial by grouping and finding the factors of the last term.

15) $x^2 + 5x + 6$

16) $a^2 + 15a + 56$