

Name: \_\_\_\_\_

Period: \_\_\_\_\_

### 8.4 Worksheet

Factor each trinomial. Checking to see if you can factor out a -1 or another GCF could make your factoring more efficient.

1.  $6x^2 + 23x + 7$

5.  $18x^2 + 42x + 12$

2.  $12x^2 - 26x + 4$

6.  $6x^2 - 13x + 6$

3.  $3n^2 + 4n + 1$

7.  $4a^2 + 8a - 5$

4.  $-4x^2 - 8x + 5$

8.  $9x^2 + 33x + 18$

9.  $-12n^2 - 48n + 27$

13.  $6u^2 - 13u + 2$

10.  $-5x^2 + 7x + 6$

14.  $100d^2 + 170d + 70$

11.  $6x^2 - 5x - 4$

15.  $6x^2 + 27x + 30$

12.  $18a^2 + 18a + 4$

16.  $3x^2 + 14x + 16$