

## Factoring Refresher

Date \_\_\_\_\_ Period \_\_\_\_\_

**Factor each completely. (hint: with 4 terms, use factor by grouping)**

1)  $15x^3 + 40x^2 + 9x + 24$

2)  $4b^3 + 4b^2 + 5b + 5$

3)  $6v^3 + 3v^2 - 4v - 2$

4)  $8n^3 + 20n^2 - 6n - 15$

**Factor each completely.**

5)  $r^2 + 9r$

6)  $a^2 - 7a$

7)  $a^2 + 4a - 32$

8)  $a^2 + 8a$

9)  $3b^2 - 26b - 9$

10)  $5x^2 - 48x + 64$

11)  $5n^2 - 47n + 56$

12)  $2k^2 - k$

13)  $8n^2 - 37n + 20$

14)  $9x^2 - 64x + 60$

15)  $6x^2 - 35x + 50$