

## Factor By Grouping HW

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

**Factor each completely.**

1)  $32x^3 - 20x^2 - 24x + 15$

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

3)  $a^3 + 8a^2 + 5a + 40$

4)  $3k^3 + 3k^2 + k + 1$

5)  $140a^3 - 40a^2 - 56a + 16$

6)  $63n^3 - 105n^2 + 36n - 60$

7)  $10v^3 + 50v^2 + 6v + 30$

8)  $168a^3 - 72a^2 + 21a - 9$