

## Review - factoring

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

**Factor each completely. Work is required for full credit.**

1)  $8a^3 + 1$

2)  $3a^3 - 24$

3)  $9b^2 - 16$

4)  $25n^2 - 20n + 4$

5)  $x^4 + 8x^2 + 15$

6)  $7m^4 + 43m^2 + 6$

7)  $25x^4 + 5x^2 - 6$

8)  $8x^3 - 3x^2 + 24x - 9$

9)  $49a^3 - 28a^2 - 14a + 8$

10)  $125x^3 - 8$

11)  $25b^2 - 30b + 9$

12)  $5x^5 - 14x^3 + 8x$

13)  $2v^3 - 24v^2 + 72v$

14)  $28m^3 - 12m^2 + 7m - 3$