

## Factoring with Greatest Common Factor

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

**Factor the common factor out of each expression.**

1)  $30m^6 - 6m$

2)  $-27n^6 - 15n^3$

3)  $7x + x^6$

4)  $40v^4 + 72v^3$

5)  $18a^5 + 30a^2 + 15$

6)  $-18 - 27x - 18x^2$

7)  $36y^3 + 9y^2x$

8)  $-80v^2 - 70u^2$

9)  $40y - 4yx^3$

10)  $35x^2 - 25x^3y$

11)  $-4x^3y^3 + 18x^2y^4 + 14x^2y^3$

12)  $-100y^5 + 90y^5x - 30y^{10}x^3$

13)  $-12x^3y^2 + 28xy^3 + 40xy^2$

14)  $16xy^2 - 56x^2y + 8x$