

Due:

Name \_\_\_\_\_ ID: 33

8.4 Factor Polynomials: The GCF Method HW-1

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

**Factor the common factor out of each expression. NO WORK NO CREDIT**

1)  $12b^4 - 15b^7$

2)  $-9m^2 - 9$

3)  $-36x^2 + 9x$

4)  $-6x - 60x^2$

5)  $90n + 80$

6)  $-21x^2 - 42x - 49$

$$7) 21k^2 + 24k + 30$$

$$8) 4x^6 + 10x - 8$$

$$9) -12n^5 - 18n^6 + 36n^7$$

$$10) -9n^3 - 8n^2 + 7n$$

**Find each product.**

$$11) 6(7m - 6)$$

$$12) (3x - 3)(2x - 7)$$