

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

Homework: Factoring the GCF

Factor the common factor out of each expression

1)  $6n^6 - 15n^8$

2)  $2m^5 + 4m$

3)  $-2x^3 - 4x^2$

4)  $6n^3 + 36n^5$

5)  $-4b + 4$

6)  $-8y^3 + 4y$

7)  $2x^2y^2 + 16x^2 + 4x$

8)  $25a^2 - 20a$

9)  $4x^8 - 5x^5y - 5x^3$

10)  $4x^2 - 4x - 2y$

Factor

$$8x + 4x^2$$

$$9lm^3 - 9l^2m^2$$

Factor

$$4x^4 - 6x^3 + 14x$$

$$8x^2yz^2 - 12xy^2z^2$$

$$14w^3y^2 - 9wt^2 + 15w^2t^3$$