

Homework #5.1 Factoring Expressions With Common Factors Date _____

Factor the common factor out of each expression.

1) $10n - 4$

2) $16b + 4$

3) $6r^2 - 15r$

4) $3x^2 + 12$

5) $8k^3 + 2k^5$

6) $5x^9 - 10x^3$

7) $9r^2 - 12r^4$

8) $15x + 25$

$$9) -35b^5 + 20b^4 - 50b^2$$

$$10) 16x^2 + 14x + 18$$

$$11) x^3 + 10x^2 - 5x$$

$$12) 6x^6 - 2x^3 + 12x^2$$

$$13) -30m^5 + 54m^3 + 54m^2$$

$$14) 18v^4 + 27v^3 - 54v^2$$

$$15) 5p^7 + 4p^4 + 6p^3$$

$$16) 14k^6 - 7k^5 + 7k$$

$$17) 3x(x + 4) - 5(x + 4)$$

$$18) 4x^2(5x - 6y) + 3y^2(5x - 6y)$$