

## Lesson 1 Assignment Factor by GCF

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

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

1)  $8n + 12$

2)  $20m^5 - 30m^3$

3)  $30 + 3b + 18b^3$

4)  $24r^6 + 15r^3 - 12r$

5)  $45v^4 - 30v - 40$

6)  $-20x^3 + 10x^4 + 20x^5$

7)  $-9n + 4n^2 - 7n^5$

8)  $72b^6a^4 - 8b^3 + 64b^2$

9)  $-36x^2y^4 + 24x^3y^2 + 54x^2y^2 + 60xy^2$

10)  $25xy^4 + 40x^2y^3 + 40x^2y^2 + 50xy^2$

## Answers to Lesson 1 Assignment Factor by GCF (ID: 1)

- 1)  $4(2n + 3)$       2)  $10m^3(2m^2 - 3)$       3)  $3(10 + b + 6b^3)$       4)  $3r(8r^5 + 5r^2 - 4)$   
5)  $5(9v^4 - 6v - 8)$       6)  $10x^3(-2 + x + 2x^2)$       7)  $n(-9 + 4n - 7n^4)$       8)  $8b^2(9a^4b^4 - b + 8)$   
9)  $6xy^2(-6xy^2 + 4x^2 + 9x + 10)$       10)  $5xy^2(5y^2 + 8xy + 8x + 10)$