

Greatest Common Factor and Distributive Property Worksheet

Name: _____

Period: _____

Practice:

Use any method to find the GCF:

1. 70, 35

2. 36, 96

3. 39, 52

4. 48, 35

5. 140, 110

6. 105, 140

7. 17, 25, 50

8. 12, 48, 40

9. 80, 100, 150

10. 800, 300, 500

11. 18, 27, 36

12. 72, 28, 48

Use the Distributive Property and simplify the following problems:

13. $2x(6x + 4x^4)$

14. $3x^2(5x^2 - 2x^5)$

15. $4x^3(x + 2x^3 - 3x^2)$

16. $2xy(2xy^2 + 8x^3y)$

17. $3x^2y^2(4x^3y^3 - 5x^5y^2)$

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