

Factoring Worksheet 1

This worksheet is for student use only. Do NOT use this material for financial gain. Solutions for these problems are at the end of the document.

1-6: Factor out the GCF.

1. $9y - 63$

2. $8x + 64$

3. $5x - 15x^3 + 45x^2$

4. $2ab^3 - 4b + 18a^2b^3$

5. $9b^2 + 72b^3 - 90b^5$

6. $80m^2 - 16m + 4$

7-12: Factor out (-1) from each polynomial.

7. $-x + 2$

8. $-3x - 5$

9. $2 - x$

10. $3x + 5$

11. $9 - 2x$

12. $5 - 2x$

13-18: Factor each polynomial by factoring out the opposite of the GCF.

13. $-7x + 42$

14. $-15y^3 - 3y^2$

15. $25x + 50x^3$

16. $-29a^3b - 58a^2b^2$

17. $49y - 56y^2$

18. $-12ac + 36a^2c^4$