

Multiplying Monomials by Polynomials
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Simplify by using the Distributive Property.

Answers

1. $2(x-3)$

1. $2x-6$

2. $y(y+4)$

2. y^2+4y

3. $-z(2-z)$

3. z^2-2z

4. $-k(2k+5)$

4. $-2k^2-5k$

5. $3z^2(2z^2-5z)$

5. $6z^4-15z^3$

6. $-(3x^2-3x^3)$

6. $3x^3-3x^2$

7. $2ab(a^2-b^2)$

7. $2a^3b-2ab^3$

8. $-3xy(x^3+xy-y^4)$

8. $-3x^4y-3x^2y^2+3xy^5$

9. $5z^3(2z^2-2z+6)$

9. $10z^5-10z^4+30z^3$

10. $4(5-h+h^4)$

10. $4h^4-4h+20$

11. $5m^3(n^2+3mn-m^5)$

11. $5m^3n^2+15m^4n-5m^8$

12. $(6v^2-4vw+3w^2)(2vw)$

12. $12v^3w-8v^2w^2+6vw^3$

13. $(4j^2+3jk+2k^2)(jk^2)$

13. $4j^3k^2+3j^2k^3+2jk^4$

14. $(3r+2s-6t)(-v)$

14. $-3rv-2sv+6tv$

15. $(7+6ab-3b)(-2ab)$

15. $-14ab-12a^2b^2+6ab^2$

Please visit the Learning Lab for further assistance.