

Properties of Exponents

Directions: Simplify.

1. $3g^7 \cdot 2g^2$

2. $-8x \cdot 2x^3 \cdot 4x^5$

3. $\frac{12x^8}{x^2}$

4. $\frac{56f^7}{14f^9}$

5. $(3x^2y)(9xy^4)$

6. $(4m^3)^2$

7. $(9m^2n^3)^3$

8. $\frac{(6x)^2}{60x^3y}$

9. $\frac{15a \cdot 15a}{120a^2}$

10. $\frac{7b^4 \cdot 6b^3}{28b^{10}}$