



Chapter 6: Polynomial Operations

Multiplying and Dividing Monomials

 Simplify each expression.

1) $(3x^5)(2x^2) =$

2) $(6x^5)(2x^4) =$

3) $(-7x^9)(2x^5) =$

4) $(7x^7y^9)(-5x^6y^6) =$

5) $(8x^5y^6)(3x^2y^5) =$

6) $(8yx^2)(7y^5x^3) =$

7) $(4x^2y)(2x^2y^3) =$

8) $(-2x^9y^4)(-9x^6y^8) =$

9) $(-5x^8y^2)(-6x^4y^5) =$

10) $(8x^8y)(-7x^4y^3) =$

11) $(9x^6y^2)(6x^7y^4) =$

12) $(8x^9y^5)(6x^5y^4) =$

13) $(-5x^8y^9)(7x^7y^8) =$

14) $(6x^2y^5)(5x^3y^2) =$

15) $(9x^5y^{12})(4x^7y^9) =$

16) $(-10x^{14}y^8)(2x^7y^5) =$

17) $\frac{6x^5y^7}{xy^6} =$

18) $\frac{9x^6y^6}{3x^4y} =$

19) $\frac{16x^4y^6}{4xy} =$
