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Algebra 2

## Operations with Monomials

1.  $(4x^3)(2x^5)$

$$8x^8$$

2.  $(3x^4)(7x^8)$

$$21x^{12}$$

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

$$10x^7$$

4.  $(6x)(5x^5)$

$$30x^6$$

5.  $(9x^3)(6x^2)$

$$54x^5$$

6.  $(-2x^2y^3)(3x^5y)$

$$-6x^7y^4$$

7.  $\frac{12x^8}{4x^3}$

$$3x^5$$

8.  $\frac{24x^9}{3x^2}$

$$8x^7$$

9.  $\frac{48x^8y^9}{4xy^8}$

$$12x^7y$$

10.  $\frac{21x^6}{7x^4}$

$$3x^2$$

11.  $\frac{18x^8}{3x^4}$

$$6x^4$$

12.  $\frac{45x^6y^9}{9x^5y^4}$

$$5xy^5$$