

A Review of Polynomial Long Division – More Practice

a. $(10x^5y^6 + 18x^4y^3 - 12x^6y^4) \div (2x^2y^3)$

b. $(3x^3 - 9x^2y + 6xy^2 - 12y^3) \div 3xy$

c. $(16x^2 - 88x + 121) \div (4x - 11)$

d. $(49x^2 - 25) \div (7x - 5)$

e. $(12x^3 - 11x^2 + 17x - 10) \div (3x - 2)$

f. $(4x^2 + 6x - 3) \div (2x + 1)$

Answer Key

a. $5x^3y^3 + 9x^2 - 6x^4y$

b. $\frac{x^2}{y} - 3x + 2y - \frac{4y^2}{x}$

c. $4x - 11$

d. $7x + 5$

e. $4x^2 - x + 5$

f. $2x + 2 - \frac{5}{2x+1}$