

# Dividing Polynomials Worksheet

## *A Polynomial Divided Against Itself Cannot Stand*

Find each quotient.

1.  $\frac{6x^4+6x^3+8x^2}{2x^2}$

6.  $\frac{3x^2-11x-4}{3x+1}$

2.  $\frac{8x^2y+4xy^2+12x^2y^2}{4xy}$

7.  $\frac{2x^3-2x^2+6x-6}{x-1}$

3.  $\frac{72x^6+63x^4+54x^3}{9x^2}$

8.  $\frac{2x^3-5x^2-7x}{2x-7}$

4.  $\frac{36y+54y^4}{18y}$

9.  $\frac{15x-30}{6-3x}$

5.  $\frac{64y^5+40y^4}{16y^2}$

10.  $\frac{a^3+ab^2+a^2b+b^3}{a+b}$

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