

# MATH [0372] – [POLYNOMIALS; DIVISION INTEGRAL EXPONENTS]

Instructions: Simply or solve the following expressions

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

2.  $\left(\frac{x^5y^7}{x^2y}\right)^2$

3.  $\frac{x^{-3}}{x^{-9}}$

4.  $\frac{x^6y^2}{x^{-4}y^{-8}}$

5.  $(2x^{-3}y^2z^{-4})^{-2}$

6.  $(x^2y^{-1})^{-3}(x^{-4}y^2)^4$

7. Divide:  $(2x^2 + x - 1) \div (x + 3)$

8. Divide:  $(3x^2 - 2x - 7) \div (3x + 1)$

9. Divide:  $(2x^3 + 4x^2 - x + 7) \div (x + 2)$

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1. $x^{10}$	2. $x^6y^{12}$	3. $x^6$
4. $x^{10}y^{10}$	5. $4x^6y^{-4}z^8$	6. $x^{-22}y^{11}$
7. $2x - 5 + \frac{14}{x+3}$	8. $x - 1 - \frac{6}{3x+1}$	9. $2x^2 - 1 - \frac{9}{x+2}$