

Ex3) Dividing a polynomial by a polynomial. (Use "long division")

a) $(8x^3 - 4x^2 - 14x + 15)$ dividing by $(2x + 3)$

b) $\frac{3x^2 - 5x - 28}{x - 4}$

c) $\frac{5x + 4x^3 - 8 - 4x^2}{2x - 1}$

d) $\frac{x^3 - 1}{x - 1}$

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e) $\frac{x^4 + 2x^3 + 2x^2 - x - 1}{x^2 + 1}$

f) $\frac{3x^3 + x + 5}{x + 1}$