

Unit 6 Multiplying & Dividing Polynomials**6.3 Dividing Polynomials by Monomials**

Ex. Simplify:

a) $\frac{6x-3}{3}$

b) $\frac{3x^3+6x}{3x}$

c) $\frac{10a^5-15a^3+5a^2}{-5a^2}$

d) $\frac{15x^4y^3-12x^2y^2}{-3x^2y}$

Ex. A rectangle has an area of $36x^2 + 18x$, if the width is $9x$ determine an expression for the length.