

## Polynomials 3

### Dividing Polynomials

To divide polynomials:

- 1) divide the coefficients (divide the numbers)
- 2) divide the variables (subtract the exponents)

### Examples

Divide each of the following:

a)  $\frac{-15x^2}{5x}$

b)  $\frac{8xy}{4x}$

c)  $\frac{-6x + 12}{2}$

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

e)  $\frac{4x^2y - 6x^3y^5}{2xy}$



Complete the following:

#### Practice - Polynomials 3

Check your solutions using the key provided.

Outcomes:

PR5 - Demonstrate an understanding of polynomials  
PR7 - Multiply and divide polynomials