

October 5, 2015

Relation
 $\{(2, 3), (4, 5), (2, 6)\}$

Function
 $\{(2, 3), (4, 5), (4, 7)\}$

not a function \rightarrow just relation
 $\{(a, 6), (b, -23), (c, 4), (b, 12)\}$

Oct 5-9:07 AM

5.4 Addition

$$1(3x^4 - 2x^4 + 3) + (2x^4 - 5)$$

Combine Like Terms
 * Same variable
 * Same exponent

$$3x^4 - 2x^4 + 3 + 2x^4 - 5$$

$$3x^4 + 2x^4 - 2x^4 + 3 + (-5)$$

$$(3+2)x^4$$

$$5x^4 - 2x^4 - 2$$

Oct 5-9:13 AM

$$(-3x^4 - 2x^3 + 2x^2 - x + 9) - (9x^4 + 5x^3 - 8x)$$

$$-3x^4 - 2x^3 + 2x^2 - x + 9 - 9x^4 - 5x^3 + 8x$$

$$-12x^4 - 7x^3 + 2x^2 + 7x + 9$$

Oct 5-9:23 AM

#30)

$$(y^3 - 7x^4y^4) + (-10x^4y^3 + 6y^3 + 4x^4y^4) - (x^4y^3 + 6x^4y^4)$$

$$y^3 - 7x^4y^4 - 10x^4y^3 + 6y^3 + 4x^4y^4 - x^4y^3 - 6x^4y^4$$

$$-9x^4y^4 - 11x^4y^3 + 7y^3$$

Oct 5-9:46 AM