

Parentheses (grouping symbols)

Exponents

$[3(4-7)]$

Multiply  
and

Divide

from L to R

Add  
and

Subtract

from L to R

#1 - Evaluate

$$x = -2$$
$$y = -4$$

a.  $x^2 y - y$

$$(-2)^2 (-4) - -4$$

$$4(-4) - -4$$

$$-16 + +4$$

$$\textcircled{-12}$$

$$-2^2 = -4$$

$$(-2)^2 = 4$$

$$b. \quad 2xy + 3y^2$$
$$2(-2)(-4) + 3(-4)^2$$

$$2(-2)(-4) + 3(16)$$

$$16 + 48 = \textcircled{64}$$

$$x = -2$$
$$y = -4$$

$$\#2 - a = -2 \quad b = 4$$

$$a. \quad a(-b-a) - ab$$

$$-2(-4 + (+2)) - (-2)(4)$$

$$-2(-2) - -8$$

$$4 + 8$$

$$\textcircled{12}$$

2b -

$$a = -2 \quad b = 4$$

$$ab - a + \frac{a+b}{2}$$

$$(-2)(4) - (-2) + \frac{-2+4}{2}$$

a/b

←

$$-8 + 2 + 1$$

$$\textcircled{-5}$$

#4 - "Like" terms

$$3xy - 2x + 4 - byx + 3x$$

$$-3xy + x + 4$$