

# Absolute Values

- Absolute values express overall distance (magnitude)

→ The final result of the INSIDE of an absolute value is positive

- Absolute values look like this:  $|x|$ 
  - absolute value "arms"
  - Can be treated like parentheses

ex

$$|4 - 11| = ?$$

- Do what's inside first!

$$\rightarrow |-7|$$

- Take absolute value:

$$\rightarrow |-7| = \boxed{+7}$$

ex

$$-2|-3 + 7| = ?$$

$$\rightarrow -2|4| =$$

$$\rightarrow -2(4) =$$

$$\rightarrow \boxed{-2(4) = -8}$$

After taking the absolute value,  $| |$  go away.

Replace w/  $()$  if multiplying.

