

# MATH SKILL INFORMATION PAGE

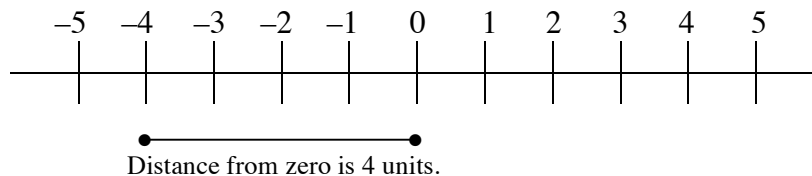
Pre-Algebra

For use with Section 1-4

## Absolute Value

The absolute value bars ( $| \quad |$ ) tell you to determine how far that number is from zero, on a number line.

**Example:**  $|-4|$



Therefore,  $|-4| = 4$

Also,  $|4| = 4$ , because 4 is also 4 units from zero.

### **Special Note:**

Treat absolute value bars as grouping symbols (like parentheses). Complete operations inside the absolute value bars before finding the absolute value.

○ **Example 1:**  $-|-6| = -(6) = 6$

○ **Example 2:**  $-3 | 5 + (-8)2 | + 7$

$$-3 | 5 + (-16) | + 7$$

$$-3 |-11| + 7$$

$$-3 (11) + 7 \quad \text{In this step, } |-11| = 11, \text{ and next will be multiplied to the } -3.$$

$$-33 + 7 = -26$$