

**Exercise 61**

In the following exercises, fill in  $<$ ,  $>$ , or  $=$  for each of the following pairs of numbers.

(a)  $-|2|$  \_\_\_  $-|-2|$

(b)  $-12$  \_\_\_  $-|-12|$

(c)  $|-3|$  \_\_\_  $-3$

(d)  $|-19|$  \_\_\_  $-(-19)$

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**Solution**

The absolute value sign gets rid of the minus sign within it.

**Part (a)**

$$-|2| \text{ ___ } -|-2|$$

$$-(2) \text{ ___ } -(2)$$

$$-2 = -2$$

**Part (b)**

$$-12 \text{ ___ } -|-12|$$

$$-12 \text{ ___ } -(12)$$

$$-12 = -12$$

**Part (c)**

$$|-3| \text{ ___ } -3$$

$$(3) \text{ ___ } -3$$

$$3 > -3$$

**Part (d)**

$$|-19| \text{ ___ } -(-19)$$

$$(19) \text{ ___ } 19$$

$$19 = 19$$