

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Fill in the blank with one of the symbols =, <, or > to produce a true statement.

1) $-11 \square -5$

2) $-23 \square 0$

Rewrite the expression without absolute value bars.

3) $\left| \frac{-9}{4} \right|$

4) $-|-19|$

5) $|7 - \sqrt{5}|$

6) $|\sqrt{2} - 9|$

7) $||-17| + |19||$

Find the distance between two points given their coordinates.

8) Find the distance between 3 and 10.

9) Find the distance between -8 and 7.

10) Find the distance between -2 and -4.

Write the expression without absolute value bars.

11) $|x - 7|$, if $x > 7$

12) $|5p - 27|$, if $p < 5$

13) $|y^2 + 3|$

14) $|-k^2 + 64|$, if $k > 8$

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Determine what signs on values of x and y would make the statement true. Assume that x and y are not 0.

15) $xy < 0$

A) x and y must be positive.

B) x and y have the same sign.

C) x and y have different signs.

D) x and y must be negative.

16) $\frac{x}{y} > 0$

A) x and y must be negative.

B) x and y must be positive.

C) x and y have different signs.

D) x and y have the same sign.