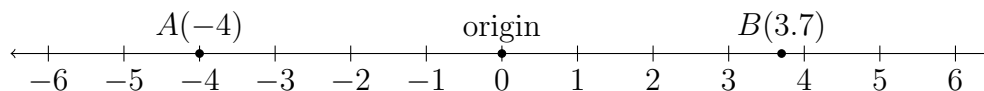


Name:

1.1 Extension: Absolute value

1. Write down the distance of each point from the origin. Use absolute value notation.



A. $|-4| =$

B. _____

2. Find the value of each expression.

(a) $|-3| =$

(d) $|11 - 3| =$

(b) $|5| =$

(e) $|3 - 11| =$

(c) $|-2.75| =$

(f) $|5 + (-7)| =$

3. Circle true or false for each statement.

T **F** The absolute value of any number must be positive or zero.

T **F** In the equation $|x| = 4$ the value of x could be positive 4.

T **F** If $x = -5$ then $|x| = 5$.

T **F** The following equation is never true for any x : $|x| = -10$.

4. Given that $x = -5$, find the value of each expression.

(a) $|x + 2| =$

(c) $|2x| =$

(b) $|-x| =$

(d) $|6 - x| =$