Exercises - Absolute Value Equations

1

Which of the following expressions is equal to -1 for some values of x?

A) $|1-x|+6$

B) $|1-x|+4$

C) $|1-x|+2$

D) $|1-x|-2$

2

If $|2x+7|=5$, which of the following could be the value of x?

A) -6

B) -4

C) -2

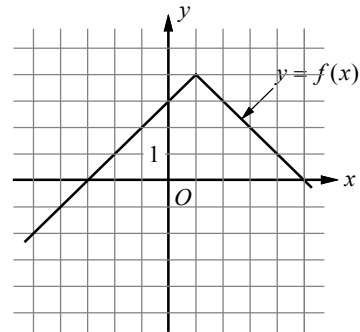D) 0

3

For what value of x is $|x-1|-1$ equal to 1?

A) -1

B) 0

C) 1

D) 2

4

For what value of x is $|3x-5|=-1$?

A) -2

B) -1

C) 0

D) There is no such value of x.

5

The graph of the function f is shown in the xy-plane above. For what value of x is the value of $f(x)$ at its maximum?

A) -3

B) -1

C) 1

D) 3

6

For what value of n is $3-|3-n|$ equal to 3?