9. What is the function that results from multiplying $f(x) = |x|$ by -1 and shifting it 2 units to the right?

$a = -1$

$h = 2$

A. $f(x) = \begin{cases} x-2, & \text{if } x \le 2 \\ x+2, & \text{if } x > 2 \end{cases}$

B. $f(x) = \begin{cases} -x-2, & \text{if } x \le 0 \\ x+2, & \text{if } x > 0 \end{cases}$

C. $f(x) = \begin{cases} x-2, & \text{if } x \le 2 \\ -x+2, & \text{if } x > 2 \end{cases}$

D. $f(x) = \begin{cases} x-2, & \text{if } x \le 0 \\ -x+2, & \text{if } x > 0 \end{cases}$

rewrite with transformations

$f(x) = -1|x-2|$

rewrite as piecewise

$-1(x-2)$

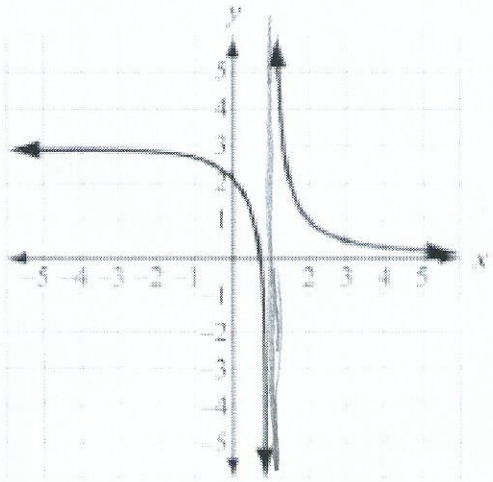
$-x+2$ $\quad x > 2$

$+1(x-2)$

$x-2$ $\quad x \le 2$

find boundary $h = 2$

10. This graph shows the two parts of a piecewise function.



For what value of x is the function NOT defined? — means does not Exist which is at $x = 1$

A. -1
B. 0
C. 1
D. 2