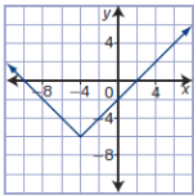


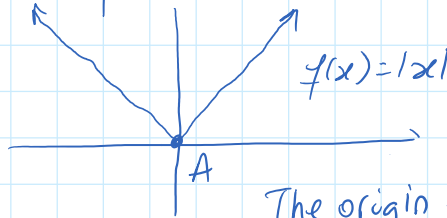
2. The graph shows a transformation of the graph of $y = |x|$. Which equation models the graph?



- A $y + 4 = |x - 6|$
 B $y - 6 = |x - 4|$
 C $y - 4 = |x + 6|$
 D $y + 6 = |x + 4|$ ✓

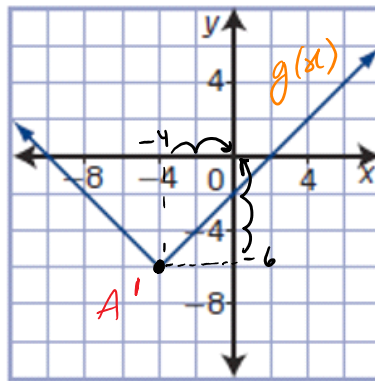
refers to the function formula, not the mapping!

The base function looks like this:



The origin A moves to

A' with this transformation $g(x)$



$A \rightarrow A'$
 meaning
 4 units to the L
 & 6 units down.

as the mapping: $|x| \rightarrow |x - 4| - 6$ (add 6 to both sides of the mapping)
 as the function formula: $y = |x|$ & $y + 6 = |x + 4|$

$\therefore$ the answer is D.