

3. If (a, b) is a point on the graph of $y = f(x)$, which of the following points is on the graph of $y = f(x + 2)$?

- A $(a + 2, b)$
- B $(a - 2, b)$
- C $(a, b + 2)$
- D $(a, b - 2)$

$g(x) = y = f(x + 2)$ = the transformation
↳ a horizontal shift to the L by 2 units

∴ (a, b) would move based on the mapping $(a, b) \rightarrow (a - 2, b)$

which would force $(a - 2, b)$ onto the $g(x)$ graph

∴ the answer is B. ✓