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26. Let g be a function with first derivative given by $g'(x) = \int_0^x e^{-t^2} dt$. Which of the following must be true on the interval $0 < x < 2$?

- (A) g is increasing, and the graph of g is concave up.
- (B) g is increasing, and the graph of g is concave down.
- (C) g is decreasing, and the graph of g is concave up.
- (D) g is decreasing, and the graph of g is concave down.
- (E) g is decreasing, and the graph of g has a point of inflection on $0 < x < 2$.

