

Second Part of the FTC - DO NOW

In your notebooks, solve the following problem.

27. If f is the function given by $f(x) = \int_4^{2x} \sqrt{t^2 - t} \, dt$, then $f'(2) =$

- (A) 0 (B) $\frac{7}{2\sqrt{12}}$ (C) $\sqrt{2}$ (D) $\sqrt{12}$ (E) $2\sqrt{12}$