

Pop quiz

1. $A = \sqrt{x} f(x)$, $f(16) = 49$ $f'(16) = -2$

$$A'(16) =$$

2. $\frac{d}{dx} [\tan 2x] =$

3. $\lim_{\Delta x \rightarrow 0} \frac{\sqrt{x+\Delta x} - \sqrt{x}}{\Delta x}$

4. $\cos \frac{5\pi}{4} =$

5. $\frac{d}{dx} \left[\frac{x}{x+4} \right] =$