Fake Quiz 1
 Calc 1
 10/4/22

This is a fake quiz, this is only a fake quiz. In the event of an actual quiz, you'd have been given fair warning. Repeat: This is only a fake quiz.

1. Let $f(x) = \sqrt{x} \cdot e^x$. What is f'(x)?

- 2. Let $f(x) = \cos x \cdot \sin x$. What is f'(x)?
- 3. Let $f(x) = \frac{\cos x}{\sin x}$. What is f'(x)?
- 4. Let $f(x) = \frac{e^x}{x^3}$. What is f'(x)?
- 5. Let $f(x) = \frac{1}{(\sin x)^3}$. What is f'(x)?

6. Let $f(x) = \sqrt{16 - x^4}$ What is f'(x)?