Each question is worth 2 points. Answers this time, not reasons. Don't panic.

1. Let $f(x) = \cos x$. What is $f'(x)$?

2. Let $f(x) = \tan x$. What is $f'(x)$?

3. Let $f(x) = \sqrt{x}$. What is $f'(x)$?

4. Let $f(x) = e^x$. What is $f'(x)$?

5. Let $f(x) = \frac{1}{x^2}$. What is $f'(x)$?