

## Quiz 10

$$\boxed{1} \quad f' = 3\sin x + 5\sec x \tan x$$

$$\boxed{2} \quad f' = 6(5x^3 + 4x^2 - 1)^5 \cdot (15x^2 + 8x)$$

$$\boxed{3} \quad f' = \cos(7x+4) \cdot 7$$

$$\boxed{4} \quad f' = e^{(3x^2+5)} \cdot (6x)$$

$$\boxed{5} \quad f' = 7(5x + \tan(3x))^6 \cdot [5 + \sec^2(3x) \cdot 3]$$