Names: Holly, Jordan, Jjeou

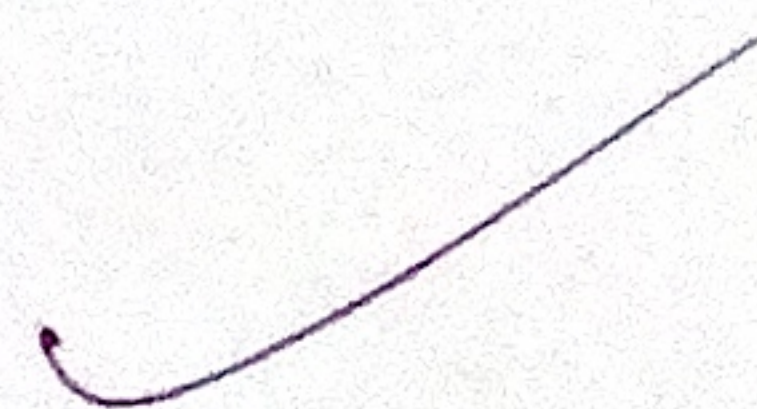**LT16:** I can find the general antiderivative of a given function

1. Find the general antiderivative, $F(x)$, of each function. *Note: you may check your answer by taking its derivative.*

(a) $f(x) = -3 + 4x^2 - \frac{4}{5}x^3$

$$F(x) = -3x + \frac{4}{3}x^3 - \frac{1}{5}x^4 + C$$

(b) $f(x) = 2 + \cos(x)$

$$F(x) = 2x + \sin(x) + C$$

(c) $f(x) = e^x - e$

$$F(x) = e^x - e(x) + C$$