## Quiz 10

## June Weiland

## December 2, 2022

**Problem 1.** Evaluate the following integrals using the fundamental theorem of calculus:

- (a)  $\int_1^2 (36x^3 + 9) dx$ ,
- (b)  $\int_{-\pi/3}^{\pi/3} (9 \tan x \cos x + 9) dx$ .