MATH 211: Calculus I F23

TQ LT18

Names: Adley Zalewski, Gopika Dar LT18: I can use the substitution method to evaluate indefinite integrals.

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

 - (a) $\int \cos(5x) dx$ = $\frac{1}{5} \sin(5x) + C$

e^{3*} e^{*}

(b) $\int e^{2x+1} dx$ ev Jedu U=2x+1 du: 2dx $= \frac{1}{2}e^{2x+1} + C$

(c) $\int \frac{1}{3x-2} dx$ V= 3x-2 g dw=3dx

 $=\frac{1}{3}en(3x-2)+C$

