

1. (5 pts) Evaluate the indefinite integral

$$\int \frac{4}{(1+5x)^3} dx$$

2. (5 pts) Evaluate the indefinite integral

$$\int_0^{\frac{\pi}{2}} \frac{2 \sin x}{3 + 2 \cos x} dx$$

Please fold the paper and write your NAME and UT EID clearly on the back.