

## QUIZ 9

Name \_\_\_\_\_

1. Find the family of antiderivatives for  $f(t) = 10te^{5t^2-4}$

2. Find  $\int \frac{x}{\sqrt{x^2-1}} dx$

3. Use the left-hand sum to estimate the area between the function  $y = 4t^2 - 1$  and the  $x$ -axis on the interval  $[2, 4]$ . Use  $n = 5$ .