

5.7 examples

## Calculus AB - 5.7 Examples

## Example 1 Evaluate:

a) 
$$\int_0^1 \frac{dx}{x^2+1}$$

## <u>Example 2</u> – Using Substitution

Evaluate 
$$\int_{1/\sqrt{2}}^{1} \frac{dx}{x\sqrt{4x^2-1}}$$

## Example 3 Evaluate:

a) 
$$\int_{2}^{5} 10^{x} dx$$

+

b) 
$$\int_0^{\pi/2} (cos\theta) 10^{sin\theta} d\theta$$

Tuesday, December 11, 2018  $\int |x| \int \sqrt{x} |x|^{2} dx \qquad \int |x|^{2} dx \qquad \int$