

AP CALCULUS AB – DERIVATIVES INVOLVING THE TRIGONOMETRIC FUNCTIONS

Calculate the following derivatives.

1)

$$\frac{d}{dx}(-\cos x) =$$

2)

$$\frac{d}{dx} \sin x =$$

3)

$$\frac{d}{dx} \ln|\sec x| =$$

4)

$$\frac{d}{dx} \ln|\sin x| =$$

5)

$$\frac{d}{dx} \ln|\sec x + \tan x| =$$

6)

$$\frac{d}{dx} \ln|\csc x - \cot x| =$$