

5.5 The Derivative of $\tan x$

Minds On: Determine the derivative of $y = \tan x$.

Derivative of $\tan x$:

$$\frac{d}{dx}(\tan x) =$$

Example 1: Determine $\frac{dy}{dx}$ for:

a) $y = \tan(x^2 + 3x)$

b) $y = (\sin x + \tan x)^4$

c) $y = x \tan(2x - 1)$