

$$y' = 3\sec^2 x, \quad y(0) = 0$$

Integrate:

$$y = \int 3\sec^2 x \, dx = 3\tan x + C$$

Apply initial condition:

$$y(0) = 3\tan(0) + C = 0$$

$$C = 0$$

so,  $y = 3\tan x$