

$$\textcircled{58} \frac{dy}{dx} = \sec^2 3x \quad y\left(\frac{\pi}{4}\right) = 2$$

$$y = \frac{1}{3} \tan 3x + C \quad \text{general solution}$$

$$2 = \frac{1}{3} \tan\left(\frac{3\pi}{4}\right) + C$$

$$2 = \frac{1}{3}(-1) + C \quad C = \textcircled{7/3}$$

$$y = \frac{1}{3} \tan 3x + \frac{7}{3}$$