

with(plots) :

$$f := x \rightarrow \tan(x)$$

$$f := x \mapsto \tan(x) \quad (1)$$

$$fp := D(f)$$

$$fp := x \mapsto 1 + \tan(x)^2 \quad (2)$$

$$L := x \rightarrow fp\left(\frac{\text{Pi}}{3}\right) \cdot \left(x - \frac{\text{Pi}}{3}\right) + f\left(\frac{\text{Pi}}{3}\right)$$

$$L := x \mapsto fp\left(\frac{\pi}{3}\right) \cdot \left(x - \frac{\pi}{3}\right) + f\left(\frac{\pi}{3}\right) \quad (3)$$

$$L(x)$$

$$4x - \frac{4\pi}{3} + \sqrt{3} \quad (4)$$

$$L\left(\frac{57 \cdot \text{Pi}}{180}\right)$$

$$-\frac{\pi}{15} + \sqrt{3} \quad (5)$$

$$\arctan\left(\frac{3}{4}\right)$$

$$\arctan\left(\frac{3}{4}\right) \quad (6)$$

$$\text{evalf}(\%)$$

$$0.6435011088 \quad (7)$$

$$\frac{600}{4000 \cdot \sec(\%)^2}$$

$$0.09600000000 \quad (8)$$