

$$\frac{2.5t}{t^2}$$

$$-1 = \frac{3 \log_9 x}{1 - \log_9 x}$$

$$-1 = \frac{3t}{1-t}$$

$$t-1 = 3t \rightarrow t = -\frac{1}{2}$$

$$\log_9 x = -\frac{1}{2} \rightarrow x = 9^{-\frac{1}{2}} = \frac{1}{3}$$

$$\log_9 x = t \quad \text{sub}$$

2.5t