

$$16. \quad y = -3x + 5e^x$$

$$\textcircled{1} \quad y' = -3 + 5e^x$$

$$\textcircled{2} \quad -3 + 5e^x = 0$$

$$5e^x = 3$$

$$\frac{5e^x}{5} = \frac{3}{5}$$

$$e^x = \frac{3}{5}$$

$$\ln e^x = \ln \frac{3}{5}$$

$$x = \ln \frac{3}{5}$$

$$\textcircled{3}$$

$$y = -3 \ln \frac{3}{5} + 5e^{\ln \frac{3}{5}}$$

$$y = -3 \ln \frac{3}{5} + 5 \cdot \frac{3}{5}$$

$$y = -3 \ln \frac{3}{5} + 3$$

$$\left( \ln \frac{3}{5}, -3 \ln \frac{3}{5} + 3 \right)$$