

$$(\ln(x))^2 - 5\ln x + 4 = 0 \quad .5$$

$$\ln(x) = t \quad | \cdot 10 \rangle$$

$$t^2 - 5t + 4 = 0$$

$$t = 4, \quad t = 1$$

$$\checkmark$$

$$\ln(x) = 4$$

$$x = e^4$$

$$\checkmark$$

$$\ln(x) = 1$$

$$x = e$$

$$(\ln x)^2 - 5\ln x = 0 \quad .6$$

$$\ln(x) (\ln(x) - 5) = 0$$

$$\checkmark$$

$$\ln(x) = 0$$

$$x = e^0$$

$$x = 1$$

$$\ln(x) - 5 = 0$$

$$\ln(x) = 5$$

$$x = e^5$$