

$$\ln(x^2 - 2x) = \ln(5x - 12)$$

$$\ln(6x) - \ln(4 - x) = \ln 3$$

$$\ln x + \ln(x + 3) = \ln(20 - 5x)$$

$$\ln(-x) + \ln(6 - x) = 2$$

$$\log_2(x - 1) = \log_4 x$$

$$\ln x + \log x = 1$$

$$50 = -3 \cdot 2^{x-1} + 83$$

$$13 = \frac{5}{2} \cdot \left(\frac{4}{3}\right)^{\frac{x+2}{3}} + 4$$

