

Describe the transformation from $y = \log x$ or $y = \ln x$

$$y = \ln x + 2 \qquad f(x) = \ln(-x) - 2$$

$$y = \ln(5 - x) \qquad f(x) = -3 \log(1 - x) + 1$$

$$y = \frac{1}{3} \log x \qquad y = \log (2x)$$

$$y = \ln\left(\frac{1}{2}x\right)$$