

1) Evaluate x without using a calculator.

a) $x = \log_3 27$

b) $x = \log_2 16$

5) Solve the equations for x .

a) $\log_4(7x - 8) = 4$

b) $\ln(2x - 3) = 2$

c) $\log(5x - 7) = 3$

2) Evaluate the logarithms with your calculator.

a) $\log_3 2000$

b) $\log_4 65$

3) Evaluate the logarithms with your calculator.

a) $\log 900$

b) $\ln 1000$

4) Solve the equations for x .

a) $14^x = 2500$

b) $7^{2x-8} = 350$