

Business PreCalculus MATH 1643 Section 004, Spring 2014
Worksheet 25

1- Find the domain of $f(x) = \log_3(x + 8)$.

2- Evaluate the following logarithms:

a. $\log_{100} 100$.

b. $\log_5 5^{10}$.

3- Write each logarithmic equation in exponential form:

a. $\log_{1/5} 5 = -1$.

b. $\ln 2 = x$.

4- Convert each exponential equation into logarithmic form:

a. $(49)^{-1/2} = \frac{1}{7}$.

b. $(\frac{1}{16})^{1/2} = \frac{1}{4}$.

5- Solve each equation:

a. $\log_a(x - 1) = 0$.

b. $\log_5(x + 1) = -2$.