

Business PreCalculus MATH 1643 Section 004, Spring 2014
Homework 25

- 1- Find the domain of $f(x) = \log_2(\sqrt{x-2})$.
- 2- Given the function $f(x) = -\ln(x-1) + 1$:
 - a. Find the domain and the range of $f(x)$.
 - b. Find the vertical asymptote of $f(x)$.
- 3- Solve the equation $e^{\ln(x^2-2x)} = 8$.
- 4- Write the logarithmic equation $\log 1000 = 3$ in exponential form.