

Business PreCalculus MATH 1643 Section 004, Spring 2014
Answer key: Worksheet 23

1- Answers:

a. Yes.

b. No, because it is a polynomial function.

c. Yes, with base $a = \frac{1}{2}$.

2- $f(3) = 32$ and $f(-2) = 1$.

3- Graphs. $f(x) = 3^x$ has no x -intercepts. $f(x) = 3^{x-1} - 3$ has $(2, 0)$ as an x -intercept.

4- $f(x) = 7^x$.

5- Answers:

a. $x = -3$.

b. $x = 9$.

c. $x = 1$.