

Business PreCalculus MATH 1643 Section 004, Spring 2014
Homework 14

1- Determine whether the function is even, odd, or neither:

a. $f(x) = 3x + 4$

b. $f(x) = 2x^2 + 5x^4$

2- Find the average rate of change of:

a. $f(x) = x^2 - 1$ between 0 and 3.

b. $f(x) = 4x - 9$ between -2 and 2 .

3- Evaluate and simplify the difference quotient of:

a. $f(x) = 3x^2 + 2$.

b. $f(x) = x - 4x^2$.