Name _____ Period_____ Date _____
Ms. Schmidt   Pre-Calculus

Weekly Homework Quiz 2

This is a weekly homework quiz that will be given every week and is due back the following Monday.

This quiz is due back: **October 2nd, 2017**

To receive full credit, all work must be shown. Any correct answer without work shown will receive only 1 point. Each question is worth 4 points.

1) Write an equation of a line that is parallel to $2y - 4x = 6$ and passes through the point (-1, 1) in general form.
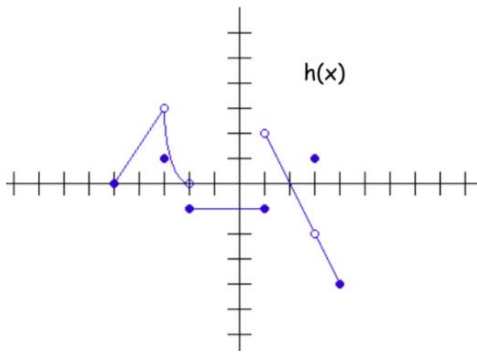
2) Determine if the following are even, odd or neither:

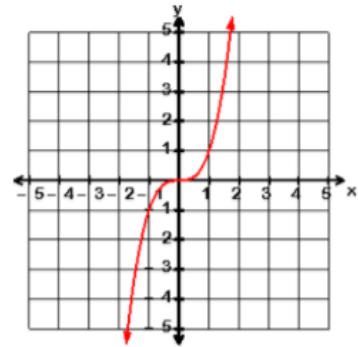   a. $k(x) = -3x^3 - 2x$ b. $f(x) = |4x| - 5$

3) Given $m(x) = -3x^2 - 4x + 2$, find and simplify $\frac{m(x+h) - m(x)}{h}$

4) Find the domain and range of each of the following [in interval notation]:

    a.   b.

h(x)

5) For the functions: $f(x) = 4x^3$ and $g(x) = -x^3 - 3x^2 + 1$ perform each of the following:

    a) $f(x) - g(x)$ b) $\frac{g(x)}{f(x)}$