<u>**SECTION 3.2: LINEAR FUNCTIONS**</u>

Homework: _____

Learning Targets:

      3a.   Understanding of determining if a relation is a function (linear or nonlinear).
      3b.   Understanding of when functions are discrete or continuous.

<u>Linear Function</u>:   a non-_____ line. It has a _____ rate of change

                     and looks like a _____. Usually written in the form _____

x	-2	1	4	7	10	13
y	8	6	4	2	0	-2

<u>Nonlinear Function</u>:   a function that does NOT have a _____ rate of change.

                     Nonlinear functions have many forms

x	0	1	2	3	4	5
y	1	2	4	8	16	32

<u>Discrete Domain</u>:   A set of input values with _____ values.   A function is discrete if

                  it cannot have _____.

<u>Continuous Domain</u>:   A set of input values that consists of _____ values. A function is

                  continuous if it CAN have _____.