Building a Rover

Match the Word with its definition.

1) Dependant Variable ______
2) Independent Variable _____
3) Linear equation ______
4) Slope ______
5) X- Intercept ______
6) Y- Intercept ______
7) Coordinate Plane ____

A) The ratio of the vertical rise to the horizontal run between any two points on a line.
B) The y-coordinate of a point where a graph crosses the y-axis.
C) Formed by two real number lines that intersect at right angles at the origin.
D) An equation that can be written in the form of Ax + By = C, where A and B are not both 0.
E) Outputs of a function.
F) The x-coordinate of a point where a graph crosses the x-axis
G) Inputs of a function.

8) Which of these is a linear equation?

A) \(3x^2 + 2y = 6\)          C) \(4x^3 + 2y = 4\)
B) \(4x + 3y = 6\)          D) \(4x + 4y^2 = 2\)

9) \((-2.3) (-1,1) (0,-1) (1,-2) (3,-5)\)

What is the Domain? What is the Range?

10) Graph the points \((-2,-2)(-1.0) (0,2) (1,4)\)  What is the X-intercept?  What is the Y-Intercept?