

Name: _____

Coordinate Plane, Functions, Domain and Range Homework

1. In what quadrant are the following points located.

- a) $(-6,3)$ _____
- b) $(7,-10)$ _____
- c) $(-4,-4)$ _____
- d) $(-18,5)$ _____

2. Determine whether each of the relations below are a function or not. Then, using proper set notation, state the domain and range. If necessary, draw a mapping diagram on the back side of this sheet of paper.

A) $\{(1,9), (8,1), (7,5), (8,5)\}$
Function?

Domain:

Range:

B) $\{(a,a), (b,a), (c,a), (d,a)\}$
Function?

Domain:

Range:

C) $\{(1,2), (3,4), (5,6), (7,8), (9,13)\}$
Function?

Domain:

Range:

D) $\{(7,1), (10,7), (0,8), (2,17), (7,3)\}$
Function?

Domain:

Range:

E) $\{(1,1), (1/2, 2), (1/3, 3), (1/4, 4)\}$
Function?

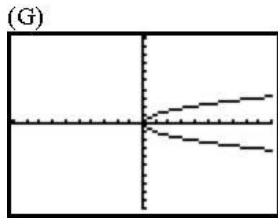
Domain:

Range:

F) $\{(4,2), (9,3), (4,-2), (9,-3)\}$
Function?

Domain:

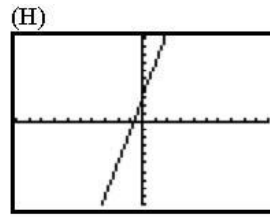
Range:



Function?

Domain:

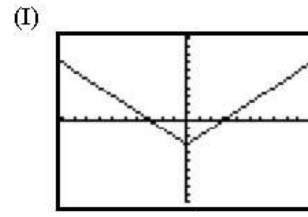
Range:



Function?

Domain:

Range:



Function?

Domain:

Range:

