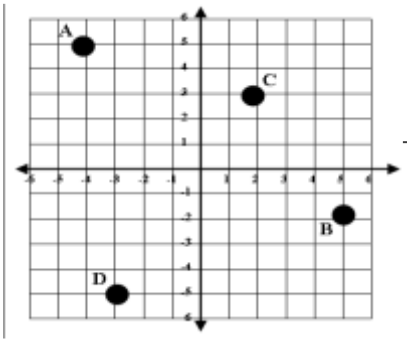
Math 1215 Hw11 **Name …….**

1. Coordinate Plane Review



IDENTIFY THE GIVEN POINTS:	
A	**C**
B	**D**

Find the domain (x's)
Find the Range (y's)

2.Express the relation as a table. {(3,2), (-1,4),(0,-3),(-3,4), (-2,-2)} ,Is this relation represent a function? Find the domain and the range .

x	y

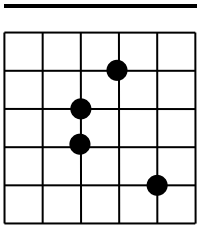
3.Ordered Pairs: State whether each set is a function. Answer yes or no. Find the domain and the range.

{(2, 5), (5, 6), (2, -6), (3, 8)} _____ ***Domain:*** _____ ***Range:*** _____

{(1, -2), (8, -4), (-3, 8), (-1, 2)} _____ ***Domain:*** _____ ***Range:*** _____

{(1, 4), (1, 5), (1, 6), (1, 7)} _____ ***Domain:*** _____ ***Range:*** _____

4.Use the vertical line test to determine whether each graph is the graph of a function. Answer yes or no.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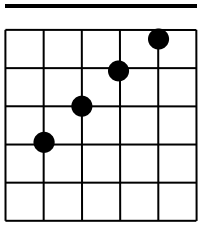
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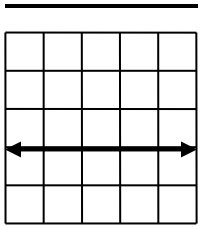
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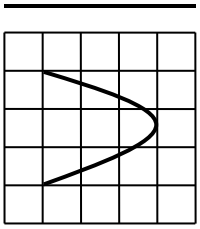
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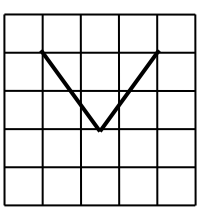
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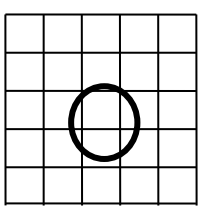
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5.Function Notation: Use $f(x)=x^2-3$ ***and*** $g(x)=4x-1$ ***to find each value.***

a) $f(-3)$

b) $g(-7)$

c) $f(-5)+8$

d) $f(3c)$

e) $g(w-7)$

6.The function $g(x)=160+1.5x$ ***models the weight gain of a basketball player as he starts a workout program where g is the weight after x weeks. Evaluate*** $g(6)$ ***and explain the meaning.***