Name: Key

1.2,1.6,1.7 Review

1) Find j(2) for $j(x) = 2(3x + 1)$

$j(2) = 2[3(2)+1]$

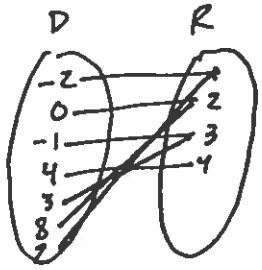
$= 2[6+1]$

$= 2[7]$

$j(2) = 14$

2) Given the ordered pairs, create a mapping and an input-output table. Then, determine the domain and range. Finally, determine if it is a function. (-2,1), (0,2), (-1,3), (4,4), (3,3), (8,2), (2,1)

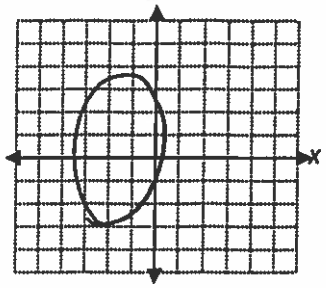
x	y
-2	1
0	2
-1	3
4	4
3	3
8	2
2	1



D: -2, -1, 0, 2, 3, 4, 8

R: 1, 2, 3, 4

3) Draw a figure that fails the vertical line test:



4) Simplify: $\dfrac{3(1-6)^2-(-7)(-10)}{-|-4|-\sqrt{36}}$

$\dfrac{3(-5)^2+7(-10)}{-(4)-6}$

$\dfrac{3(25)-70}{-10}$

$\dfrac{75-70}{-10}$

$\dfrac{5}{-10}$

$-\dfrac{1}{2}$

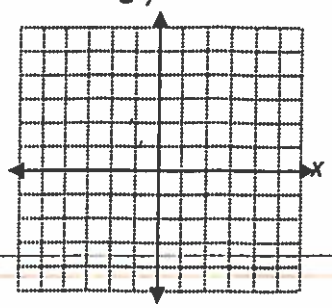
Name: _____

1.2,1.6,1.7 Review

1) Find j(2) for $j(x) = 2(3x + 1)$

2) Given the ordered pairs, create a mapping and an input-output table. Then, determine the domain and range. Finally, determine if it is a function. (-2,1), (0,2), (-1,3), (4,4), (3,3), (8,2), (2,1)

3) Draw a figure that fails the vertical line test:



4) Simplify: $\dfrac{3(1-6)^2-(-7)(-10)}{-|-4|-\sqrt{36}}$