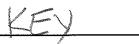
## Precalculus – Chapter 1 Homework Packet

Name:



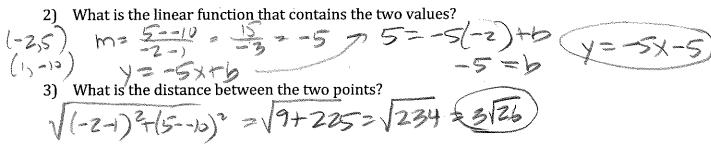
The majority of these questions were ones you encountered last year in Algebra 2. This packet is an overview of concepts learned in Algebra 2 that will be helpful for PreCalculus. You should try every question in this packet as well as do the suggested problems in the book listed on the assignment sheet in preparation for your chapter 1 test on September 17th.

1) What Quadrant is (x,y) located in if: y>0 & x<-4

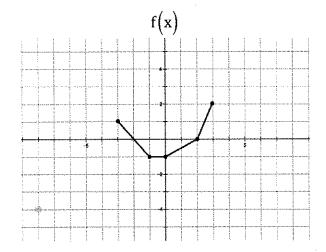


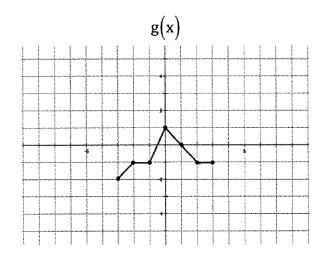


For numbers 2 – 4 use: If f(-2)=5 & f(1)=-10



For numbers 4 – 7, use the graph of f(x) and g(x) below:





- 4) Calculate  $(f \circ g)(2)$  f(g(2)) = f(-1)(-1)
- 5) Calculate (f+g)(-2) f(-z)+g(-z)= 0+-1

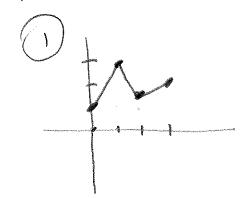
6) Calculate  $(f \circ f)(3)$ f(f(3)) = f(2) 7) Calculate (f/g)(2)

P.61-63 413, 15, 19, 23

- (passes Vertical Linetest)

- ()=(0x) ()=(0x) ()=(0x) ()=(0x)

PS9 # 1,3,43,45



$$f(0)+g(0)=2+-1=1$$
  
 $f(1)+g(1)=3+0=3$   
 $f(2)+g(2)=1+\frac{1}{2}=\frac{3}{2}$   
 $f(3)+g(3)=2+0=2$ 

$$f(-z)+g(-z)=2+4=6$$
  
 $f(0)+g(0)=0+2=2$   
 $f(2)+g(2)=2+0=2$   
 $f(4)+g(4)=4+2=6$ 

(45) a (fog(z)) = 
$$f(z) = f(z) = 0$$
  
 $b(g \circ f)(z) = g(f(z)) = g(0) = 4$