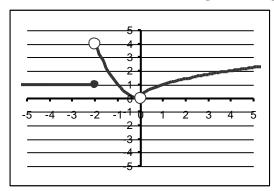
Math 160 Dr. Katiraie - Sections 2.1 and 2.2 - Limits

Problem (1) - You have been given the graph of y = f(x)



b) Complete the following table:

o) complete the following those.									
а	f(a)	$\lim_{x\to a^-} f(x)$	$\lim_{x\to a^+} f(x)$	$\lim_{x \to a} f(x)$	Is the function continuous at x = a	Explain why or why not			
-2									
-1									
0									
1									

- b) Answer each of the following:
 - 3) Domain
- 2) Range
- 3) Write the formula(s) that define y

4) Intervals for which the function

Constant	Increasing	decreasing		

6)
$$F(-2) =$$

7)
$$F(-1) =$$

8)
$$F(0) =$$

9)
$$F(1) =$$

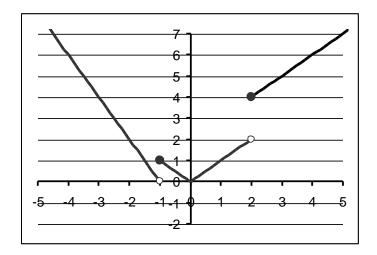
10)
$$F(2) =$$

11)
$$F(3)=$$

12) All x-intercepts -

- 13) Y-intercept
- 14) All x for which f(x) = 1
- 15) All x for which f(x) = 0
- 16) All x for which f(x) > 0
- 17) All x for which $f(x) \ge 4$
- 18) All x for which the function intersects the line y = 3

Problem (2) – For the following function:



a) Complete the following table:

а	f(a)	$\lim_{x \to a^{-}} f(x)$	$\lim_{x\to a^+} f(x)$	$\lim_{x \to a} f(x)$	Is the function continuous at x = a	Explain why or why not
-2						
-1						
0						
1						
2						

b) Make up a few questions similar to the ones for problem (1)