*No calculators are allowed on this quiz.* Please read each question carefully, follow directions and clearly mark your solutions. **Show your work for full credit.** 

Name:

1. (8 pts) Graph the function below and find its range.

$$f(x) = \begin{cases} -2x - 10, & \text{if } x \le -6\\ (x+3)^2, & \text{if } -6 < x \le -1\\ -\frac{x}{2} + \frac{7}{2}, & \text{if } x > -1 \end{cases}$$

Range:										
									1	
				9	-					
				8						
				7						
				/	-					
				6						
				5	-					
				4						
						L				
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	i .								1	
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-9 -	8 - 7 -	6 – 5 –	4 -3 -	2 - 1 - 1	1 2	2 3 4	1 5 (	57	8 9	
-9 -	8 - 7 -	6 -5 -	4 -3 -	-1	1 2	2 3 4	1 5 (	5 7	8 9	
-9 -	8 -7 -	6 – 5 –	4 -3 -	-1 2	1 2	2 3 4	1 5 (	5 7	8 9	
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<u>-9</u> -	8 -7 -	6 – 5 –	4 -3 -	-1 -3 -5 -7	- - - - - - - - - - - -	2 3 2	1 5 (	5 7	8 9	

2. (1 pt for selecting an answer) How confident are you in your answer above? [0 - not at all, 10 - very]

 $0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10$ 

3. (1 pt for selecting an answer) How many hours in total do you plan on studying for the exam on Monday?

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14 +
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## Range: