Unit 1 Limits and Continuity Unit Test

Name	Edward	
Date		

Part B Short Answer Questions: Show all work for the problems below.

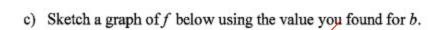
 $f(x) = \begin{cases} \frac{x^2 - 8x - 20}{x + 2} & x \neq -2\\ bx - 3 & x = -2 \end{cases}$ 

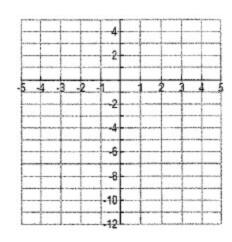
A. Use the function above to answer the following questions.

a) 
$$\lim_{x\to -2} f(x) =$$

 $\times$ 

b) What value of b will make f continuous at x = -2?





d) 
$$\lim_{x \to -\infty} f(x) =$$

