Unit 1 Limits and Continuity Unit Test

Name _	Edward	
Date		

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

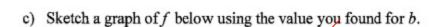
$$f(x) = \begin{cases} \frac{x^2 - 8x - 20}{x + 2} & x \neq -2\\ bx - 3 & x = -2 \end{cases}$$

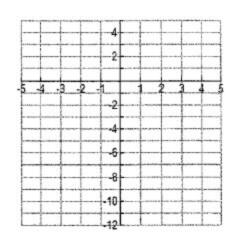
A. Use the function above to answer the following questions.

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

 \times

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





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

