Each problem is worth 0 points. In the event of a real quiz you would have received fair warning.

1. Let
$$f(x) = \frac{5}{6-x}$$

- (a) What is f(6)? Does not exist
- (b) What is $\lim_{x\to 6^+} f(x)$? = $-\infty$
- (c) What is $\lim_{x\to 6^-} f(x)$? = $+\infty$
- (d) What is $\lim_{x\to 6} f(x)$? Does not exist (since it's not the same from left and right)

2. Let
$$g(x) = \frac{x}{(x+2)^2}$$

- (a) What is g(-2)? Does not exist
- (b) What is $\lim_{x\to -2^+} g(x)$? = $-\infty$
- (c) What is $\lim_{x \to -2^-} g(x)$? = $-\infty$
- (d) What is $\lim_{x \to -2} g(x)$? = $-\infty$

3. Let
$$h(x) = \frac{x^3}{(x^2-4)}$$

- (a) What is h(2)? Does not exist
- (b) What is $\lim_{x\to +\infty} h(x)$? = $+\infty$
- (c) What is $\lim_{x\to 2^+} h(x)$? = $+\infty$
- (d) What is $\lim_{x\to 2^-} h(x)$? = $-\infty$
- (e) What is $\lim_{x\to 2} h(x)$? Does not exist