Present neatly. Justify for full credit. No Calculators.

Name _____   Score _____   ~10 minutes

1.
Find the limit or explain why it does not exist.

(a) $\displaystyle \lim_{x \to 4^+} \frac{2-x}{(x-4)(x+2)}$

(b) $\displaystyle \lim_{x \to 4^-} \frac{2-x}{(x-4)(x+2)}$

(c) $\displaystyle \lim_{x \to 4} \frac{2-x}{(x-4)(x+2)}$