Quiz #2
Math 221

Instructions. Be sure to show your work and explain your reasoning for full credit.

NAME _______________________

1. Compute the limit

\[ \lim_{h \to 0} \frac{(2 + h)^2 - 4}{h} \]

2. If \( \frac{x^2 - 5x + 6}{x - 2} \leq g(x) \leq x^2 - 3x + 1 \) for all \( x \), determine \( \lim_{x \to 2} g(x) \). Be sure to justify your answer. The following graphs of the two bounding functions may help suggest something.