

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

1. Evaluate $\lim_{x \rightarrow 1} \frac{x^2 - 6x + 5}{x - 1}$.

2. A huge pumpkin is catapulted off the top of Murray Hall, and its height in feet after t seconds is given by $h(t) = -16t^2 + 88t + 100$. Find the average velocity of the pumpkin over the

(a) first 1 second of flight

(b) first 0.1 seconds of flight