Fake Quiz 2　　　　**Calc 1**　　　　**9/9/24**

1. Evaluate $\lim\limits_{x \to 1} \dfrac{x^2 - 6x + 5}{x - 1}$.

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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 $= 72$ feet per second

   (b) first 0.1 seconds of flight $= 86.4$ feet per second