Name _____________________________

- No calculators are allowed.

1. (2 points) Find the domain of the function \( f(x) = \sqrt{6 - 2x} \).

2. (3 points) Suppose that \( f(x) = \frac{1}{4 - x} \) and \( g(x) = 2^x \).
   
   (a) Find a formula for \( (f \circ g)(x) \).

   (b) Find the domain of \( (f \circ g)(x) \).
3. (2 points) If the point $(2, 3)$ is on the graph of an odd function, then what other point must also be on the graph?

4. (3 points) Carefully sketch the graph of $y = 3 + 2e^{-x}$. If there are any horizontal or vertical intercepts or asymptotes, then their locations should be accurately shown on your graph.