Show all work, clearly and legibly, to receive full credit. Correct spelling, organization of your solution, and proper use of mathematical notation all count. You may use a calculator, but no notes, books, or other resources. Good luck!

1.) (4 pts.) Suppose that when \( x < 3 \), \( f'(x) \) is negative, and when \( x > 3 \), \( f'(x) \) is positive. At \( x = 3 \), does \( f \) have a local maximum, local minimum, or is there not enough information to decide?

2.) (4 pts.) Suppose \( V(t) \) is a velocity function. What does the statement \( V(2) = 70 \) mean? (Explain in words what the mathematical formula is saying.)

3.) (2 pts.) Use FOIL to multiply out the expression \((a + b)(c + d)\).