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?

First Deriv Test:
local minimum

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.)

At time t = 2 units, velocity is 70

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

$ac + ad + bc + bd$