Suppose \( \frac{t^3}{3} - 3t^2 + 36 \) gives the height of a rocket above the ground in meters at time \( t \) seconds.

A) Find the critical points in the rocket's graph.

B) Find the critical values of the height of the rocket that go with the critical points you calculated in part A.

C) Use the Second Derivative Test to determine whether each critical point is a local maximum, a local minimum, or neither for the height of this particle.