```
In [1]: import sympy as sp
     x = sp.Symbol('x')
     L = 3*x**2 + 2*x - 5
     L_derivative = sp.diff(L, x)
     print("Gradient (First Derivative):", L_derivative)
     critical_points = sp.solve(L_derivative, x)
     print("Critical Points:", critical_points)
     L second derivative = sp.diff(L derivative, x)
     print("Second Derivative:", L_second_derivative)
     for point in critical points:
         if L_second_derivative.subs(x, point) > 0:
print(f"x = {point} is a Minimum (Second derivative is positive)")
         elif L_second_derivative.subs(x, point) < 0:</pre>
             print(f"x = {point} is a Maximum (Second derivative is negative)")
         else:
              print(f"x = {point} is an Inflection Point (Second derivative is zero)")
     Gradient (First Derivative): 6*x + 2 Critical Points: [-1/3]
     Second Derivative: 6
     x = -1/3 is a Minimum (Second derivative is positive)
```