**Name:**

**Sec. 3.1 - Derivatives of polynomials and exponential function**

**Math 251**

1. Find the derivative of $f(v) = \dfrac{\sqrt[3]{v} - 2ve^v}{v}$

2. Show that the curve $y = 2e^x + 3x + 5x^3$ has no tangent line with slope 2