

1. Write a MATLAB code to find the extreme values of the function $f(x) = \frac{x^3}{3} - x^2 + 2$ and execute it. Also visualize it.
2. Write a MATLAB code to find the extreme values of the function $f(x) = x^4 - x^2 + 2$ and execute it. Also visualize it.
3. Write a MATLAB code to find the area of the region bounded by the curves $y = x^2$ and $y = 2x + 3$. Also visualize it.