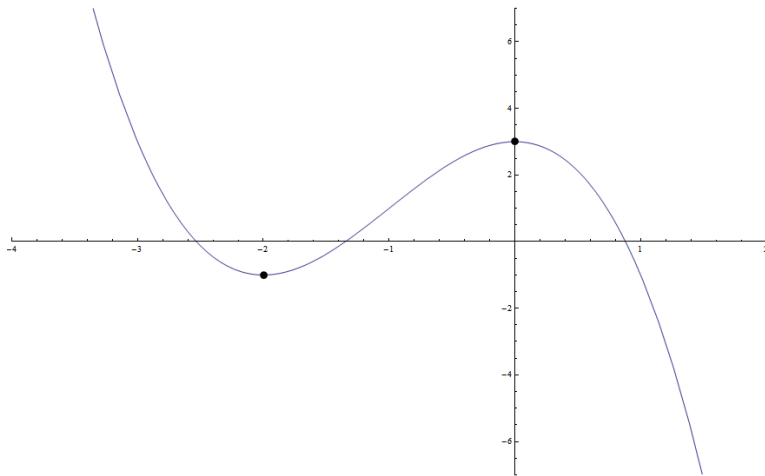


3. [3 points] Find the average rate of change of $f(x) = x^2 - \frac{12}{x}$ over the interval $[2, 6]$.

4. [3 points] The graph of $f(x)$ is shown in the figure.



(a) Identify the intervals over which $y = f(x)$ is decreasing.

(b) Find the local max/min points of $y = f(x)$.