Task #2: f(x) = x^3-7\*x^2 + 15\*x -9

|  |  |  |  |
| --- | --- | --- | --- |
| Left Extent | Right Extent | Graph | Observation |
| 0 | 5 |  | From 0 on a small x axis, the graph shows it polynomial characteristics. Because of the x^3, the graph seems to flip. From the vertex, the graph quickly accelerates to infinity.  From the graph, the function goes to 0 approx. at 0 1 and 3. |

Task #3: f(x) = sin(1/x)

|  |  |  |  |
| --- | --- | --- | --- |
| Left Extent | Right Extent | Graph | Observation |
| -5 | 5 |  | The graph has a lot of activity where x = 0. This is because 1/0 does not exist and therefore, sin(1/0) does not exist. This causes the graph to rapidly change as the function changes. |