Bellwork Alg 2 Wednesday, October 23, 2019

Graph this equation on the graphing calculator in a Standard Window $y = -0.5x^4 + 3.5x^3 - 6x^2 - 2x + 9$

1. Find the coordinates of ALL Maximums and Minimums, if any. Round to the nearest hundredth.

Absolute Max:

Absolute Min:

Relative Max:

Relative Min:

2. Find all intervals of increasing and decreasing.

Increasing:

Decreasing:

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ANSWERS

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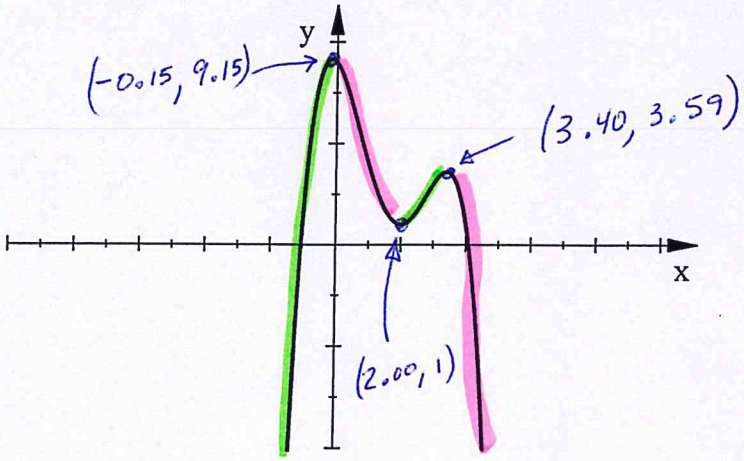

Absolute Max: (-0.15, 9.15)

Absolute Min: NONE

Relative Max: (3.40, 3.59)

Relative Min: (2.00, 1)

2. Find all intervals of increasing and decreasing.

Increasing: $(-\infty, -0.15) \cup (2.00, 3.40)$

Decreasing: $(-0.15, 2.00) \cup (3.40, \infty)$