Last Name ＿＿＿＿＿＿＿   First Name ＿＿＿＿＿＿＿   Date ＿＿ – ＿＿ – ＿＿   Period ＿＿＿   Score ＿＿＿

| BE PRECISE	Integrating	Applying	Practicing	Acquiring	Awaiting Evidence
I can calculate accurately and efficiently, and be precise in all of my math.	Selects and applies the correct procedure and solves all routine AND integrating problems. AND Expresses the answer to the correct level of precision needed for the problem (including the correct rounding, units, math symbols, labeling, graphing, vocab. . .)	Selects and applies the correct procedure and solves all routine problems. AND Expresses the answer to the correct level of precision needed for the problem (including the correct rounding, units, math symbols, labeling, graphing, vocab. . .)	Selects and applies the correct procedure and solves most routine problems. AND Expresses the answer to the correct level of precision needed for the problem (including the correct rounding, units, math symbols, labeling, graphing, vocab. . .)	Selects and applies the correct procedure and solves some routine problems. AND Attempts to express the answer to the correct level of precision needed for the problem (including the correct rounding, units, math symbols, labeling, graphing, vocab. . .).	Selects and attempts to apply the correct procedure for some routine problems.
Criteria					

1. Use the following symbols to label the correspondent elements of the graph.

$\bigcirc$: $x-$intercept/zeros $\square$: $y-$intercept

$\triangle$: relative maximum $|\triangle|$: absolute maximum

∇ : relative minimum $|\nabla|$: absolute minimum

$\vdots$: vertical axis of symmetry
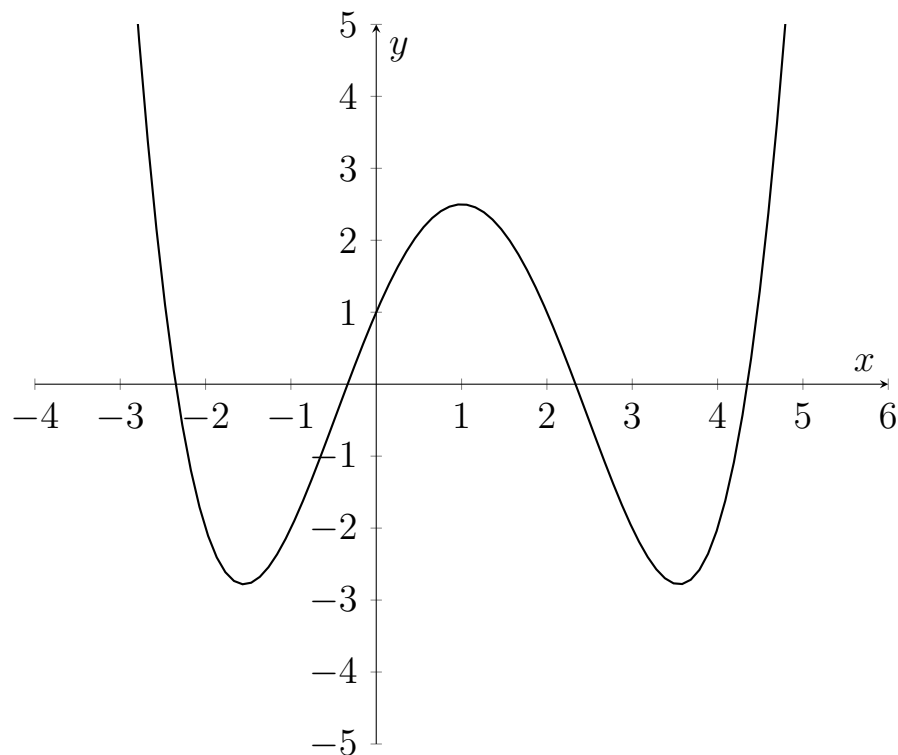
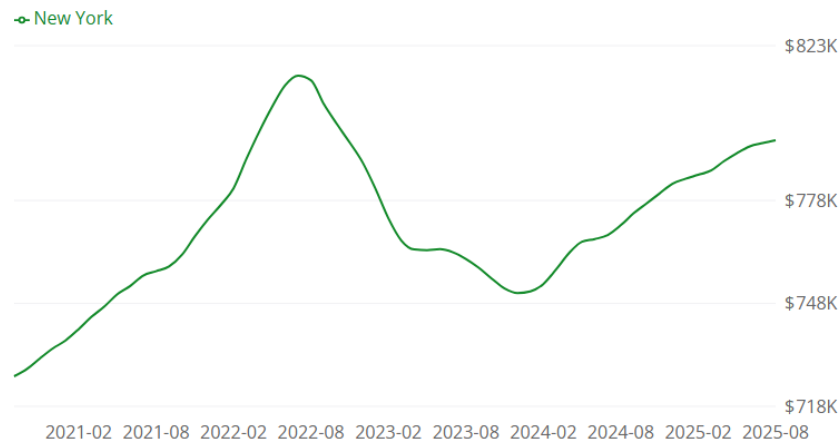2. Consider the interval $[-2, 3]$.

   (a) Shade the segment represented by the interval above on the number line.
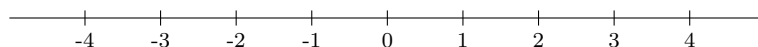
    (b) Write the interval as an inequality. ＿＿＿＿＿＿＿＿＿＿

3. The following chart summarizes the New York house price index in 2021 through 2025.

- New York

$823K

$778K

$748K

$718K

2021-02 2021-08 2022-02 2022-08 2023-02 2023-08 2024-02 2024-08 2025-02 2025-08

(a) Identify the period(s) when the housing prices were decreasing. _____

(b) Estimate the net loss over the decreasing period you identified above. _____

4. List the turning points, and then use the points to write what intervals it's increasing and decreasing from.

- **Turning Points**

  _____

  _____

  _____

- **Increasing Intervals**
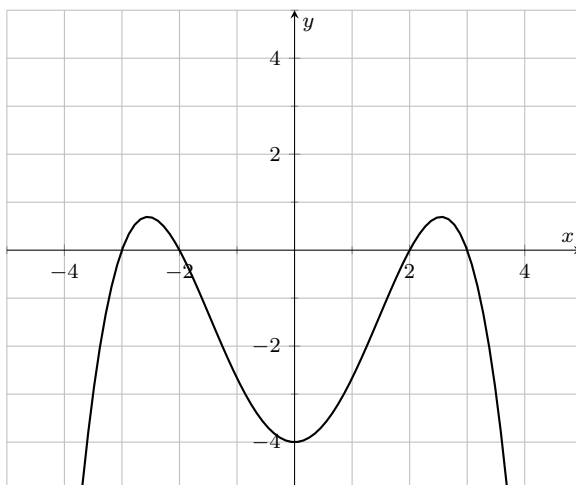
  _____

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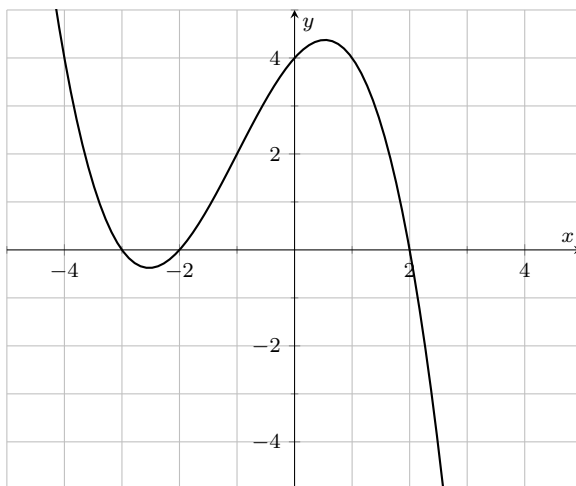
- **Decreasing Intervals**

  _____

  _____

  _____

5. List the turning points, and then use the points to write what intervals it's increasing and decreasing from.

- **Turning Points**

  _____

  _____

  _____

- **Increasing Intervals**

  _____

  _____

  _____

- **Decreasing Intervals**

  _____

  _____

  _____