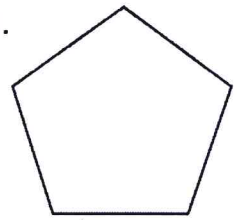
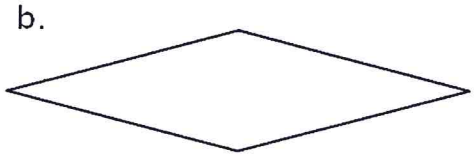
Bellwork Alg 2A Monday, January 30, 2017

1. Draw all lines of symmetry in the figures.

a.



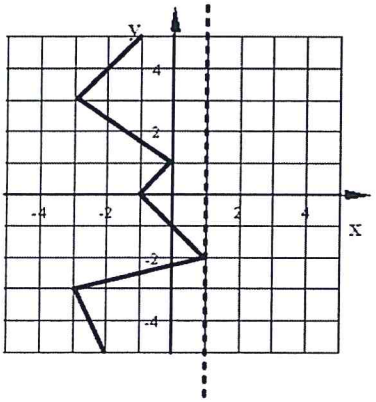
b.



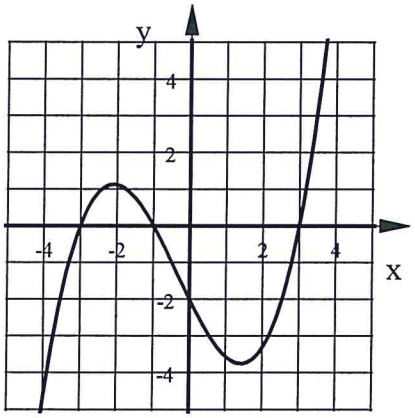
c.

d.

2. Use the dashed Line of Symmetry to draw the other half of the figure.

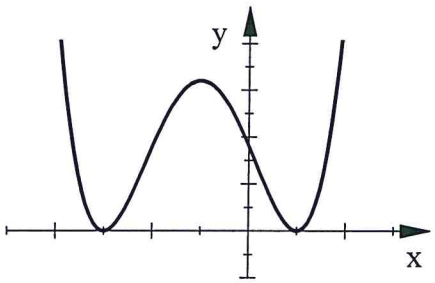


3. State the x and y intercepts of the graph shown below:



4. Describe how the ENDS of these graphs behave as you move farther to the right & farther to the left.

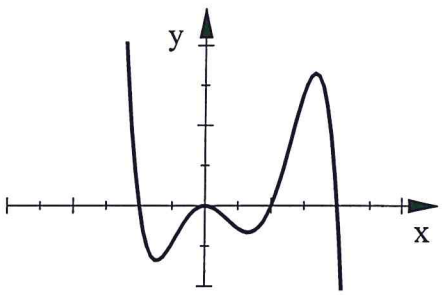
a.



Left end behavior:

Right end behavior:

b.



Left end behavior:

Right end behavior:

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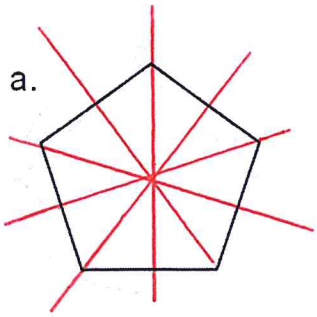
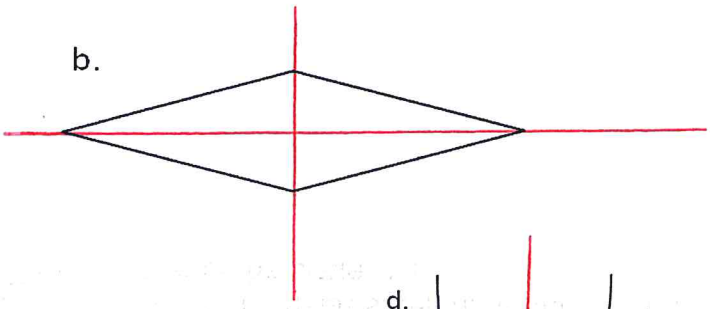
Answers

1. Draw all lines of symmetry in the figures.

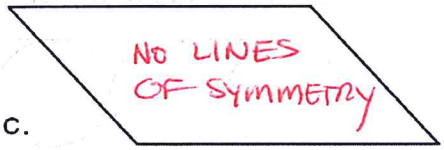
a.



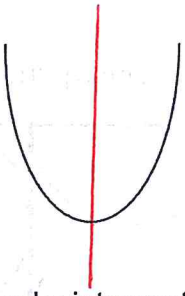
b.



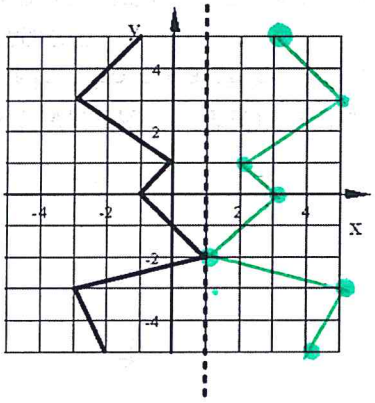
c.



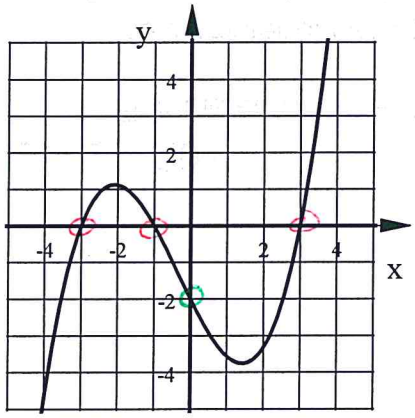
d.



2. Use the dashed Line of Symmetry to draw the other half of the figure.



3. State the x and y intercepts of the graph shown below:

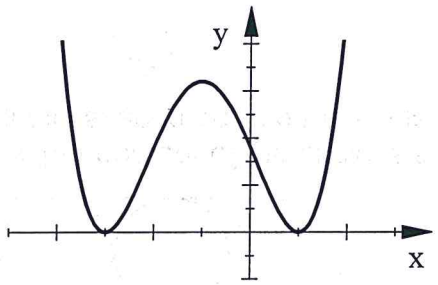


3 x-INTERCEPTS
(-3, 0)
(-1, 0)
(3, 0)

1 y-INTERCEPT
(0, -2)

4. Describe how the ENDS of these graphs behave as you move farther to the right & farther to the left.

a.

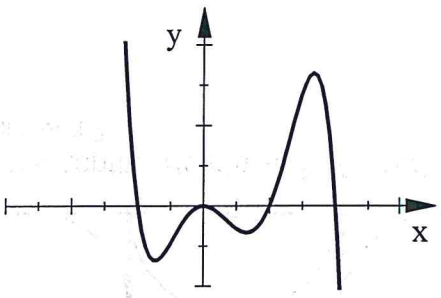


Left end behavior: increasing
or as $x \to -\infty, y \to \infty$

Right end behavior: increasing
or
as $x \to \infty, y \to \infty$

(↑, ↗)

b.



Left end behavior: increasing
or as $x \to -\infty, y \to \infty$

Right end behavior: decreasing
or
as $x \to \infty, y \to -\infty$

(↑, ↘)