

## H Algebra 2

### Graph Summary Project

#### Graph types

➤ Linear functions	Ch. 2
➤ Absolute value functions	Ch. 2
➤ Piecewise	Ch. 2
➤ Polynomial functions	Ch. 5
➤ Polynomial functions	Ch. 6
➤ Radical functions	Ch. 7
➤ Log functions	Ch. 8
➤ Exponential functions	Ch. 8
➤ Rational functions	Ch. 9
➤ Periodic	Ch. 13

Find, identify and describe four different graphs from the nine families listed above. Find the graphs in magazines, newspapers, on the web, in textbooks (not our math textbook) or other printed material. The graph or a copy of the graph must be included along with a reference to where the graph was found.

#### Scoring rubric:

1 point for the graph with reference

2 points for proper identification of family with explanation of why it belongs to that family. Include any equations represented by the graph if possible.

3 points for a brief description of the information shown on the graph. You need to include what the graph is depicting, what is happening in the graph (how the data is related) and what the graph tells about the data. The description needs to be in non-mathematical terms. Do not say "y decreases as x increases" instead write "the balance in the checking account decreases as the number of checks increases." Minimum of three sentences.

An extra credit point may be awarded for a graph that is presented in original, colorful, neat and imaginative ways, and/or for well written and insightful descriptions of the data in a graph.

The final grade will be the percent earned out of 25 points. All graphs are due November <sup>25<sup>th</sup></sup> 21<sup>st</sup>. Graphs that are turned in early will be returned with the option of correcting/improving your score on any individual graph, provided it is turned in before the <sup>25<sup>th</sup></sup> 21<sup>st</sup>. No corrections will be accepted after the 21<sup>st</sup>.

25<sup>th</sup>

\* If you want it graded to count for the 2nd card marking, it is due Tuesday, Nov. 25. If that doesn't matter to you, it is due Mon Dec 1st