Names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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“Picture This!”

Project for Pre Calculus

So, you have now spent two units working with toolkit functions. Now it is your turn to go out and find those functions. Provide at least two pictures (photos) of each of the toolkit functions. For example, if you look at the profile of your desk chair, you will notice an odd power function. Get it? Go out into the “real world” and find those functions (be creative here!). Along with the photos of the functions, provide an analysis of each of the functions. Notations are important (interval, limit etc.). Please also provide commentary about your pictures. Often people use close ups and it is hard to tell what the picture actually is. Also, if you use a picture of something that is reflected over an axis, etc., you should indicate as well. PLEASE DO NOT JUST COPY PHOTOS FROM THE INTERNET!

There must be a page in your project that identifies what each person in the group is responsible for.

***\*\*NOTE—You may not email pictures to me! Print them out or put in final presentation format to send to me. If sent electronically, YOU must check to ensure it is accessible (try to access in Media Center).***

Rubric For “Picture This” Project

Analysis of Graphs \_\_\_\_\_\_\_\_\_\_\_\_\_ (120 points)

Photos and Commentary \_\_\_\_\_\_\_\_\_\_\_\_ (70 points)

Neatness and Creativity \_\_\_\_\_\_\_\_\_\_\_ (10 points)

Self and Peer Evaluation \_\_\_\_\_\_\_\_\_\_\_ (20 points)

***USE THIS FORMAT AND THIS ORDER AS YOU PRESENT EACH FUNCTION!***

NAME OF FUNCTION

Domain

Range

Increasing Intervals

Decreasing Intervals

Continuity

Boundedness

Extrema

Symmetry

Asymptotes

End Behavior

Intermediate Behavior