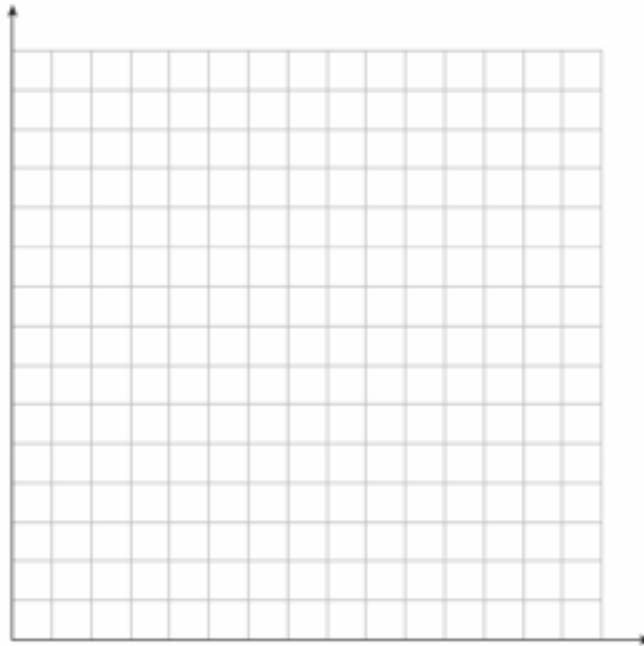


Heart in Motion! Worksheet

1) Draw sketch of Student _____'s data on the graph below. Be sure to label your x and y axis, and explain the increments for each axis.



2) State the x-intercept of the data (if applicable):

3) State the y-intercept of the data (if applicable):

4) State the interval(s) in which the function is increasing.

5) State the interval(s) in which the function is decreasing.

6) State the interval(s) in which the slope is positive.

7) State the interval(s) in which the function is negative.

Heart in Motion! Worksheet Cont.

8) State the relative maximum (if applicable):

9) State the relative minimum (if applicable):

10) Explain below in a sentence or two the end behavior of the graph

11) If applicable, state the symmetry of the graph. If there is no symmetry simply state: no symmetry below.

12) Explain a sentence or two the general heart movement as portrayed by the graph.