AA8-5 investigation Transforming Sine and Cosine Graphs Name _____

1) Parent graphs:



Graphing requirements:

Always include a scale on both axes. (Don't move the axes!) At least 5 points must be plotted: the maximums (high), minimums (low) and the "mids" One full period must be graphed The y-intercept must be shown.

2) Change in k. Note where the midline is and give an equation for each of the following graphs.



Sketch each of the following graphs. Be sure to scale your axes.



3) Change in h. Remember that subtraction moves the graph to the right, and addition moves the graph to the left. Give an equation for each of the following graphs.



4) Change in a. This "stretches" or "compresses" the graph, which is a change in amplitude. Give an equation for each of the following graphs..

