Lesson Notes 8-3

A sinusoidal function is any periodic function whose graph has the same shape as that of y = sinx. In this lesson, we must determine all characteristics of sinusoidal functions (range, equation of midline, amplitude, period) given a graph of the function.

Example 1: Describe this graph by determining its range, equation of its midline, its amplitude, and its period.





Example 2: Determine the range, equation of the midline, amplitude, and period of each graph.



Example 3: Sketch a possible graph of a sinusoidal function with each set of characteristics. Draw and label the midline.

