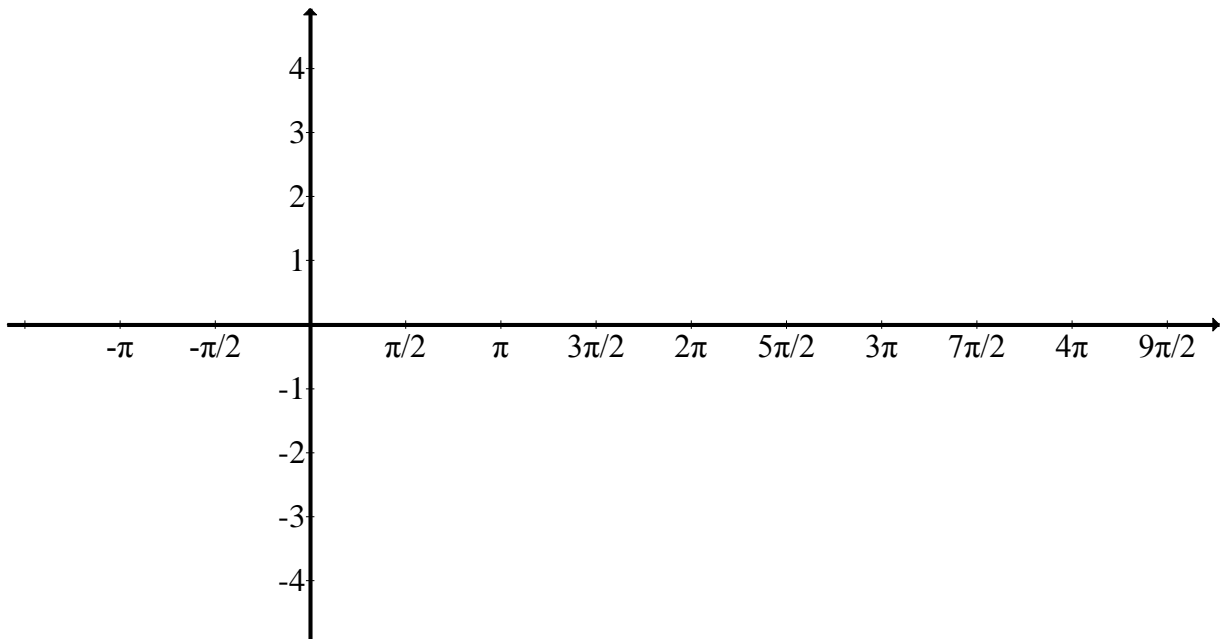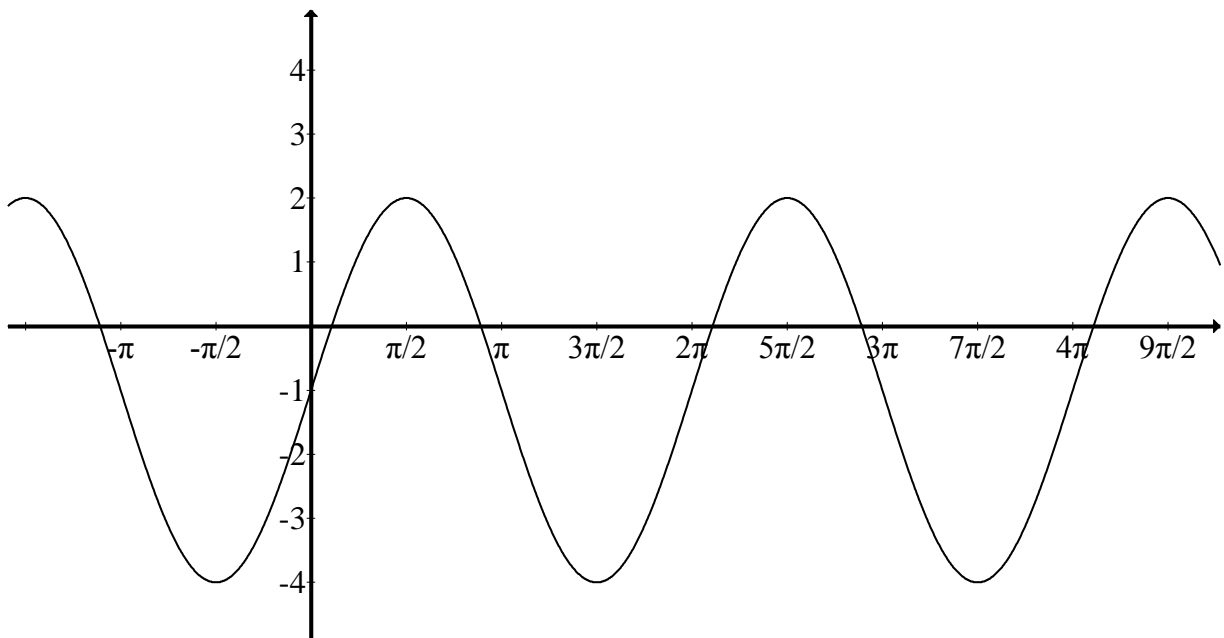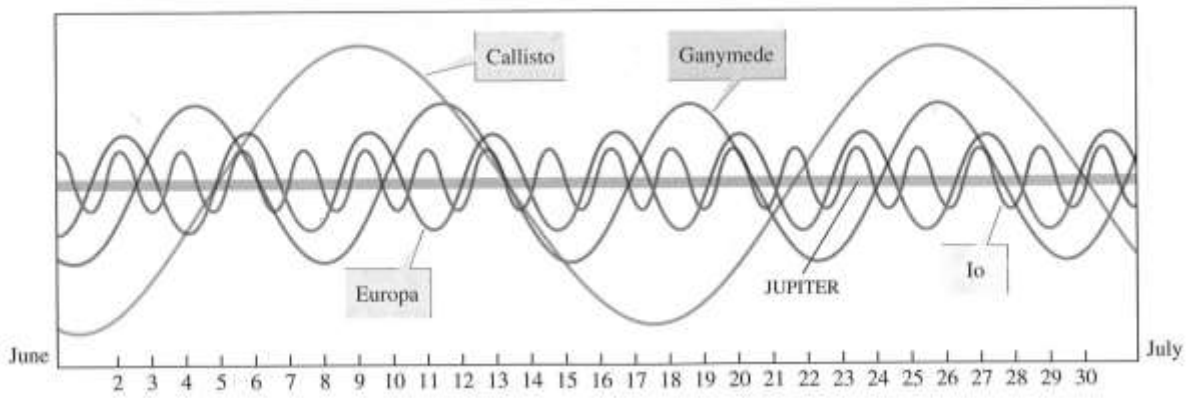1) On the axis below, graph the function $y = 2\sin(2x) + 3$

2) Find an equation for the graph shown below.

3) Above is a graph showing the positions in June of four "moons" orbiting Jupiter. Their orbit appears to be sinusoidal in nature.

(a) What is the period of Callisto?

(b) Compared to our own Moon orbiting Earth, is Callisto moving faster or slower than our Moon?