Section 5-4 Composition of Ordinates

**Composition of Ordinates** is the process of forming a new graph by adding two sinusoids or multiplying two sinusoids. (find the critical points on each graph, and then either add the y-coordinates together or multiply them, depending on the problem)







$ Graph y=3sinx+\cos(6x)$

**Multiplying** two sinusoids is similar, but instead of adding the y-coordinates together, you multiply them.

$$y=3sinx∙\cos(6x)$$