**Homework Set #2.1** Name

*Please do all of your work on a separate sheet of paper.*

*You may use this sheet as an answer sheet if you choose to.*

**I.** *Identify the amplitude, period, phase shift, and vertical shift for each. (4 pts each)*

**II.** *Sketch two cycles of each curve (12 pts each)*

**III.** *Write an equation for the sine curve given the following information (4pts each)*

* 1. period 2, amplitude 4, reflected over the x-axis

13. period , amplitude 3, phase shift 2 units right, vertical shift down 4