Name: \_\_\_\_\_

Date:\_\_\_\_\_

## **Graphing Piecewise Functions**



## **Step Functions**

7. You are making class t-shirts. A company charges \$5 per shirt if you order less than 100 shirts, \$4 per shirt between 100-300 shirts, and \$3 per shirt for orders over 300. Write a piecewise equation to represent the situation.

8. You are making class tattoos for the pep rally. There is a \$10 set up fee for the design. Tattoos cost \$1 per tattoo if you order 200 or less tattoos, \$0.50 per tattoo for orders over 200. Write a piecewise function to show the price based on the tattoo.

9. You start tutoring elementary students in math, and you schedule a month at a time. You charge \$20 an hour for less than 3 hours, and \$15 an hour for 3 or more hours. Write a piecewise function to show the rates based on the hours, and determine how much you would make if you tutored for 4 hours.

