**Worksheet: Piecewise Functions**

Evaluate the function for the given value of x. Show all work.

1.

 *f(3) = \_\_\_\_\_\_\_ f(-4) = \_\_\_\_\_\_\_\_ f(-2) = \_\_\_\_\_\_\_\_\_*

2.

 *f(-2) = \_\_\_\_\_\_\_ f(6) = \_\_\_\_\_\_\_\_ f(1) = \_\_\_\_\_\_\_\_\_*

Match the piecewise function with its graph.



**8.**

**7.**

**5.**

**4.**

**6.**

**3.**

Carefully graph each function.



9. 10.



Write equations for the piecewise functions whose graphs are shown below. Assume that the units are 1 for every tic mark.



11. 12.



13. 14.



15.