**Warm Up Day 13**

**Algebra 2**

**1. Let f(x) =** $\left\{\begin{array}{c}\left|14-x\right|, x<7\\2^{x-7}, 7<x\leq 12\\-16, x>12\end{array}\right.$

**Find the following values**

A. f(8) B. f(0) C. f(20)

D. f(7) E. f(6) + f(13) F. $\frac{f(12)}{f(24)}$

**2. Match each description to its line.**



A. This line has a slope of ½ \_\_\_\_\_\_\_\_\_ E. This line has an x-intercept at 2 \_\_\_\_\_\_\_\_\_

B. This line does not “rise” at all. \_\_\_\_\_\_\_\_\_ F. The range of this line is only y=4 \_\_\_\_\_\_\_\_\_

C. This line has a y intercept of 1. \_\_\_\_\_\_\_\_\_ G. This line has a y intercept at -3 \_\_\_\_\_\_\_\_\_

D. The equation of this line is x = -4 \_\_\_\_\_\_\_\_\_ H. (-3,3) is a point on this line \_\_\_\_\_\_\_\_\_