Ms. Wang
Homework - Review Chapter 6-8.1

Name_____

Date_____ Class _____

A. Determine whether the given value is a solution of the equation. Write yes or no.

1) $x + 9 = 15$; $x = 4$ _____

2) $31 - w = 10$; $w = 20$ _____

3) $0.7v = 4.2$; $v = 6$ _____

4) $16 = 6 + d$; $d = 10$ _____

5) $22 - w = 20+6$; $w = 7$ _____

B. Simplifying the expression

6) $10-(-2)$

7) $12+(-4)$

8) $9-(-0.5)$

9) $12+(-2)$

C. Solve the following equations to find the value of x

10) $x+9 = 22$

11) $6-x = 11$

12) $27 = 3x$

13) $3x+7 = 14+3$

14) $4(x+4) = 11$

15) -5(x-3) = 14

D. Solve each inequality and graph its solution

16) m+1 > 3

17) m-1 > 3

18) 2-m ≥ 18

19) 2+m ≥ 18

E. Ratio
20) Jamie has a bag of red and yellow candies. For every red candy, there are 2 yellow candies. If the bag has 6 red candies, how many candies are in the whole bag?

F, Simplify Ratios

21) 7:14

22) 6:12

23) 14:22

24) 18:24

25) 72:16