

Ms. Wang
Quiz Chapter 6 - 7.5
Quiz B

Name _____
Date _____ Class _____

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

- 1) $x + 11 = 15$; $x = 3$ _____
2) $36 - w = 10$; $w = 10$ _____
3) $0.3v = 1.2$; $v = 4$ _____
4) $17 = 6 + d$; $d = 11$ _____
5) $28 - w = 29 + 6$; $w = -12$ _____

B. Circle the letter of the equation that each given solution makes true.

6) $m = 8$

- A. $2m + 16 = 30$ B. $13 - m = 10$ C. $-15 + 2m = 4$ D. $2m - 20 = -4$

7) $x = -4$

- A. $5x = 20$ B. $-5x = -20$ C. $-5x = 20$ D. $5x - 2 = 15$

C. Solve.

8) The low temperature was 35°F . This was 13°F lower than the daytime high temperature. Write an equation to determine whether the high temperature was 48°F or 42°F .

9) You bought 16 bagels. You paid a total of \$20. Write an equation to determine whether each bagel cost \$1.50 or \$1.25. _____

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

10) $x + 9 = 12$

11) $5 - x = 23$

12) $30 = 2x$

13) $2x+6 = 12+8$

14) $5(x+2) = 14$

15) $-4(x-3) = 13$

E. Solve each inequality and graph its solution

16) $m+2 > 3$

17) $m-1 < 2+4$

18) $3m \geq 18$

19) $-2+m \geq 11$

20) $m - 6 < 18+8$

Extra Points (3 pt) Solve each inequality and graph its solution

$-3(m-5)+2 < 17m +3$