Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the equation. Check you Solution.

1. 5 + r = - 19 2. z – 8 = -12 3. -11x = 77

 4. a 5. 4k – 9k = 10 6. 4w – 21 + 5w = 51

= 6

9

 7. -19.4 – 15d + 22d = 4.4 8. m - 6 = 20 9. 3(3n + 4) = 54 + 6n

10

10. 3x – 4 = 2x + 8 – 5x 11. 40 + j = 2 -(4j - 13) 12. -0.25(4v – 8) = 0.5(4 – 2v)

Solve the following equations for x.

13. 4x – 2y = 4 14. 2x + y – x = 3x -2 15. -6x + 3y = -30

16. 8x – 8(-y + 2) = 24 + 4y 17. 5x – 9y + 4 = 3x – 5y + 12 18. y = 9 – 3x

19. An adult movie ticket costs $8.50 and a child’s movie ticket costs $5.50. A family purchases tickets for 2 adults and 3 children, and the family purchases 3 boxes of popcorn of the same size. The family spent a total of $40.25. How much did each box of popcorn costs?

20. An ice cream store sells ice cream in tow sizes of cups. The large size costs $3.75, and the small size costs $2.50. Each size comes with one free topping, and every additional topping costs $0.75. Two friends visit the ice cream store. One friend orders a large cup with 1 topping, and the other friend orders a small cup with 3 toppings. How much is the bill for the two friends.