2-3

Practice   *Form G*

Solving Multi-Step Equations

Solve each equation. Check your answer.

1. $19 - h - h = -13$ **2.** $14 + 6a - 8 = 18$ **3.** $25 = 7 + 3k - 12$

Write an equation to model each situation. Then solve the equation.

4. General admission tickets to the fair cost $3.50 per person. Ride passes cost an additional $5.50 per person. Parking costs $6 for the family. The total costs for ride passes and parking was $51. How many people in the family attended the fair?

5. Five times a number decreased by 18 minus 4 times the same number is –36. What is the number?

Solve each equation. Check your answer.

6. $6(3m + 5) = 66$ **7.** $3(4y - 8) = 12$ **8.** $-5(x - 3) = -25$

9. Angela ate at the same restaurant four times. Each time she ordered a salad and left a $5 tip. She spent a total of $54. Write and solve an equation to find the cost of each salad.

Solve each equation. Choose the method you prefer to use. Check your answer.

10. $\frac{a}{7} + \frac{5}{7} = \frac{2}{7}$

11. $6v - \frac{5}{8} = \frac{7}{8}$

12. $0.52y + 2.5 = 5.1$

13. $4n + 0.24 = 15.76$

14.   The sum of three integers is 228. The second integer is 1 more than the first, and the third integer is 2 more than the first. Write an equation to determine the integers. Solve your equation. Show your work.