Name:_____   Period:_____ Date:_____

Solving Using Multiple Methods *Answers*

1. $3x - 4 = 5$

    $x = 3$

2. $4k + 11 = 3$

    $k = -2$

3. $7g + 12 = 47$

    $g = 5$

4. $\frac{h}{7} = 112$

    $h = 784$

5. $\frac{5}{8}m = -60$

    $m = -96$

6. $-\frac{4}{9}m = 48$

    $g = -108$

7. $5y = 18 + 2y$

    $y = 6$

8. $2w - 1 = w - 5 + 3w$

    $w = 2$

9. $24 - 2d = 6d$

    $d = 3$

10. $\frac{2}{3}a - 4 = 4$

    $a = 12$

11. $13 - \frac{1}{8}j = -3$

    $j = 128$

12. $\frac{g-7}{3} = 6$

    $g = 25$

13. $-5 + x = 3x + 3$

    $x = -4$

14. $6u - 3 = 2u + 5 + 3u$

    $u = 8$

15. $6n - 9 = n + 6 - 10$

    $n = 1$

16. $\frac{h+4}{-6} = 7$

$h = -46$

17. $\frac{-8-p}{3} = -10$

$p = 22$

18. $\frac{3}{5}f - 7 = 8$

$f = 25$

19. $9 - \frac{x}{2} = 5$

$x = 8$

20. $6 - 7g - 17 = 2g + 16$

$g = -3$

21. $\frac{a}{5} = -70$

$a = 350$

22. $\frac{3}{4}b - 21 = 48$

$b = 92$

23. $\frac{4}{5}m + 12 = 72$

$m = 75$

24. $\frac{4}{3}y - 15 = -51$

$y = -27$

25. $4(f - 6) = 28$

$f = 13$

26. $2(x - 3) = -18$

$x = -6$

27. $-4(x + 9) = -32$

$x = -1$

28. $3(x - 2) - x = 2(2x + 1)$

$x = -4$

29. $0.3(2a - 3) = 0.2a + 0.9$

$a = 4.5$

30. $3(1 - g) + 5 = 3(1 + g) - 7$

$g = 2$

31. $2q - (1 - q) = 11 - q$

$q = 3$