ALGEBRA 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score /14

HW #3 Solving Linear Equations

SOLVE EACH EQUATION. CHECK YOUR SOLUTION.

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| --- | --- | --- |
| 4. -6z = 42 | 5. 5x – 3 = -33 | 6. -6y – 8 = 18 |
| 7. 3(2a + 3) – 4(3a – 6) = 15 | 8. -3(-2x + 20) + 8(x + 12) = 92 | 9. -4(3y – 10) – 6(-7y – 6) = -74 |
| 10. 5g + 18 – 7g + 4g = 8 | 11. $\frac{2}{3}\left(6c-18\right)+ \frac{3}{4}\left(8c+32\right)=-18$ | 12. $\frac{3}{5}\left(15a+5\right)-\frac{1}{6}\left(18a-12\right)=38$ |
| 16. 5x – 9 = 11x + 3 | 17. 3(a – 7) = 5(a + 3) | 18. $\frac{1}{y}+\frac{1}{4}=\frac{7}{12}$ |
| 19. 5.4(3x – 12) + 3.2(2x+6) = 88  | 21. -6(2y + 2) = 18 – 4(-4y – 9) |