

3-3 Worksheet Mr.Lyons.com

Wednesday, 7 October 2026

14:15

3. $p + 2p - 3 = 6$

$p = 3$

4. $12v + 14 + 10v = 80$

$v = 3$

5. $11w - 9 - 7w = 15$

$w = 6$

6. $5a + 3 - 3a = -7$

$a = -5$

7. $6c - 8 - 2c = -16$

$c = -2$

8. $9 = 7z - 13z - 21$

$z = -5$

9. $-2 = 3y - 18 - 5y$

$y = -8$

10. $23 = -4m + 2 + m$

$m = -7$

11. $35 = -5 + 2x - 7x$

$x = -8$

12. $3 + 4(z + 5) = 31$

$z = 2$

13. $14 + 2(4g - 3) = 40$

$g = 4$

14. $5m + 2(m + 1) = 23$

$m = 3$

19. $\frac{1}{3}(d + 3) = 5$

$d = 12$

20. $\frac{3}{2}(x - 5) = -6$

$x = 1$

21. $\frac{4}{3}(7 - n) = 12$

$n = -2$

22. $4 = \frac{2}{9}(4y - 2)$

$y = 5$

23. $-32 = \frac{8}{7}(3w - 1)$

$w = -9$

24. $-14 = \frac{2}{5}(9 - 2b)$

$b = 22$

27. $8.9 + 1.2(3a - 1) = 14.9$

$a = 2$

28. $-11.2 + 4(2.1 + q) = -0.8$

$q = 0.5$

29. $1.3t + 3(t + 8.2) = 37.5$

$t = 3$

30. $1.6 = 7.6 - 5(k + 1.1)$

$k = 0.1$

31. $0.5 = 4.1x - 2(1.3x - 4)$

$x = -5$

32. $8.7 = 3.5m - 2.5(5.4 - 6m)$

$m = 1.2$