

1. $5n = 2n + 6$

Answer: $n = 2$

2. $8a = 2a + 30$

Answer: $a = 5$

3. $y = 24 - 3y$

Answer: $y = 6$

4. $2b = 80 - 8b$

Answer: $b = 8$

5. $12n = 34 - 5n$

Answer: $n = 2$

6. $3x = 27 - 15x$

Answer: $x = 1.5$ (or $3/2$)

28. $(6 - 4y) / 2 = y$

Answer: $y = 1$

29. $(4n - 28) / 3 = 2n$

Answer: $n = -14$

30. $(23 - 11c) / 7 = 5c$

Answer: $c = 0.5$ (or $1/2$)

31. $1/3 * (12 - 6x) = 4 - 2x$

Answer: Infinite Solutions (All Real Numbers)

32. $1/4 * (20 - 4a) = 6 - a$

Answer: No Solution

41. $6r - 2(2 - r) = 4(2r - 1)$

Answer: Infinite Solutions (All Real Numbers)

42. $5x + 2(1 - x) = 2(2x - 1)$

Answer: $x = 4$

43. $3 + 4(p + 2) = 2p + 3(p + 4)$

Answer: $p = -1$

44. $4(a + 2) = 14 - 2(3 - 2a)$

Answer: Infinite Solutions (All Real Numbers)

46. $2[5(w + 3) - (w + 1)] = 3(1 + w)$

Answer: $w = -5$

48. $3(r + 1) - [2(3 - 2r) - 3(3 - r)] = 2(r + 5) - 4$

Answer: $r = 0$