1. $3a + 24 = 9$ a = -5
2. $150 - 10b = 240$ b = -9
3. 5c +13 = 7c – 7 c = 10
4. 10d + 22 = 8d + 15 d = -7/2
5. 4(2f + 5) = 8f + 5 No sol.
6. 3g + 12 + 8g = 9g + 4 g = -4
7. -2(3h – 4) = 14 h = -1
8. $\frac{2}{3}j = 14$ j = 21
9. $-\frac{1}{4}k + 8 = 1$ k = 28
10. $5m + 18 = -m - 30$ m = -8
11. $\frac{3}{5}n + 4 = -\frac{4}{5}n + 25$ n = 15
12. 5(p + 7) – 7p = -p + 40 p = -5
13. 5(q – 4) = q – 20 q = 0
14. $-2r + 18 = 18 - 6r + 4r$ Infinite solutions
15. $1s + 2 + 3s + 4 + 5s + 6 = 7s + 8 + 9s + 10$ s = -6/7
16. $\frac{1}{2}t = \frac{1}{3}t + 4$ (need common denominators!) t = 24
17. $4(2u + 8) - 5u = 3(u + 11) - 2$ No solution
18. $\frac{-2v+8}{5} = 4$ v = -6

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