2.3 – Solving Equations with Variables on Both Sides

Solve.

1. $4n + 5 = 6n + 7$

2. $5p - 9 = 2p + 12$

3. $3p - 8 = 13 - 4p$

4. $71 - 5x = 9x - 13$

5. $2(x - 6) = 3x$

6. $7x - 4 = 5x - x + 35$

7. $\frac{1}{3}a - 12 = \frac{4}{3}a + 6$

8. $15 - \frac{5}{2}x = 9 + \frac{1}{2}x$

9. $8y - (5y + 2) = 16$

10. $6d - 12 - d = 9d + 53 + d$

11. $5m - 2(m - 5) = 17$

12. $6 = 3 + 5(y - 2)$

13. $-8(4 + 9x) = 7(-2 - 11x)$

14. $2(x - 3) + 5 = 3(x - 1)$