

Variables on both sides — ANSWER KEY

Solve. Collect the variable terms on one side first.

1. $-n - 14 = -3n + 4$

$n = \underline{\quad 9 \quad}$

2. $7t + 14 = 2t + 49$

$t = \underline{\quad 7 \quad}$

3. $7m + 12 = -m - 60$

$m = \underline{\quad -9 \quad}$

4. $2x + 14 = 5x + 14$

$x = \underline{\quad 0 \quad}$

5. $4m + 2 = 7m + 17$

$m = \underline{\quad -5 \quad}$

6. $-4y + 1 = -5y + 7$

$y = \underline{\quad 6 \quad}$

7. $7y + 13 = 8y + 18$

$y = \underline{\quad -5 \quad}$

8. $4m + 10 = 7m + 7$

$m = \underline{\quad 1 \quad}$

9. $5m = 7m + 6$

$m = \underline{\quad -3 \quad}$

10. $6y + 11 = 7y + 5$

$y = \underline{\quad 6 \quad}$

11. $8t + 6 = 5t + 21$

$t = \underline{\quad 5 \quad}$

12. $n - 7 = -4n + 38$

$n = \underline{\quad 9 \quad}$