

Variables on both sides — ANSWER KEY

Solve. Collect the variable terms on one side first.

1. $9n - 12 = -7n - 44$

$n = \underline{-2}$

2. $5m - 3 = 6m - 13$

$m = \underline{10}$

3. $4m - 7 = -9m + 45$

$m = \underline{4}$

4. $-9k - 2 = 3k + 46$

$k = \underline{-4}$

5. $-9t + 9 = 7t + 57$

$t = \underline{-3}$

6. $6m - 4 = 8m + 2$

$m = \underline{-3}$

7. $-2n + 14 = 5n + 21$

$n = \underline{-1}$

8. $4x - 12 = 8x - 52$

$x = \underline{10}$

9. $-6n + 14 = n - 28$

$n = \underline{6}$

10. $7m - 6 = -3m - 16$

$m = \underline{-1}$

11. $6k + 3 = 7k + 1$

$k = \underline{2}$

12. $6x - 2 = -2x + 14$

$x = \underline{2}$