

Variables on both sides — ANSWER KEY

Solve. Collect the variable terms on one side first.

1. $9n - 4 = 8n - 10$

$n = \underline{\quad -6 \quad}$

2. $6k + 4 = 9k + 28$

$k = \underline{\quad -8 \quad}$

3. $6x - 8 = -x + 41$

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

4. $6n = 8n - 14$

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

5. $-5m - 11 = -2m - 41$

$m = \underline{\quad 10 \quad}$

6. $-8k = -9k - 2$

$k = \underline{\quad -2 \quad}$

7. $3k + 8 = 4k + 6$

$k = \underline{\quad 2 \quad}$

8. $5k - 12 = -5k - 2$

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

9. $-5x - 7 = 6x + 37$

$x = \underline{\quad -4 \quad}$

10. $9m + 3 = 2m + 52$

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

11. $9m + 6 = -2m + 6$

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

12. $-x + 15 = -4x + 15$

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