

Distributive property — ANSWER KEY

Solve. Distribute first, then collect like terms.

1. $3(n - 7) + 9 = -18$

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

2. $3(m - 9) + 10 = -5$

$m = \underline{\quad 4 \quad}$

3. $3(n - 6) - 15 = -33$

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

4. $2(t - 9) = 4t - 22$

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

5. $-6(t + 7) = 6t - 6$

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

6. $-3(k + 2) = 5k + 18$

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

7. $4(n - 6) = 7n - 24$

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

8. $2(m - 3) + 13 = 5$

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

9. $2(m + 3) = 6m - 26$

$m = \underline{\quad 8 \quad}$

10. $5(n + 3) = 2n + 24$

$n = \underline{\quad 3 \quad}$

11. $5(k + 2) + 1 = -29$

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

12. $6(x - 4) = 2x$

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