

Solving One-Step Equations

Name: _____ Date: _____



Solve each equation.

(1) $-28 = 4b$

$b = -7$

(2) $a + 9 = 14$

(3) $s(-7) = -42$

(4) $5z = 10$

(5) $i(5) = -25$

(6) $12 = n(-2)$

(7) $w - 7 = 12$

(8) $m(6) = 36$

(9) $m - 5 = 4$

(10) $\frac{k}{5} = 4$

(11) $6 = h - 8$

(12) $a - 2 = 10$

(13) $n + 10 = 23$

(14) $w - 3 = 2$

(15) $b + 10 = 12$

(16) $z + 6 = 18$

(17) $5 = i + 2$

(18) $11 = c - 7$

(19) $\frac{k}{4} = 5$

(20) $23 = y + 8$

(21) $q - 3 = 3$

(22) $20 = m + 13$

(23) $4 = \frac{1}{5}y$

(24) $k(3) = -9$

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Find the value of x.

1) $5x + 58 = 2x + 70$

$$\begin{array}{r} 5x + 58 = 2x + 70 \\ -2x \quad -2x \\ \hline 3x + 58 = 70 \\ -58 \quad -58 \\ \hline 3x = 12 \\ \frac{3x}{3} = \frac{12}{3} \\ x = 4 \end{array}$$

2) $-1x + 55 = 145 - 10x$

3) $46 + 1x = -7x + 126$

4) $-2x + 55 = 100 - 11x$

5) $4 + 2x = -2x + 44$

6) $114 + -3x = 194 + -11x$

7) $4x - 12 = -2x + 36$

8) $-3x + 90 = 117 - 12x$

9) $-2x + 90 = 125 + -7x$

10) $101 + -3x = -10x + 129$

11) $-1x + 46 = 116 - 11x$

12) $3x + 22 = 92 - 7x$

Answers

1. 4
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____