

1. $7 + x = 9 + 5$

$7 + x = 14 \quad /-7$

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

2. $5a + 13 - 21 = 42$

$5a - 8 = 42 \quad /+8$

$5a = 50 \quad /:5$

$\underline{\underline{a = 10}}$

3. $6^2 = 8b - 4$

$36 = 8b - 4 \quad /+4$

$40 = 8b \quad /:8$

$\underline{\underline{5 = b}}$

4. $4e + 7e + 25 = 58$

$11e + 25 = 58 \quad /-25$

$11e = 33 \quad /:11$

$\underline{\underline{e = 3}}$

5. $3x + 15 = 36 \quad /-15$

$3x = 21 \quad /:3$

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

6. $2y + 3y - 18 = 22$

$5y - 18 = 22 \quad /+18$

$5y = 40 \quad /:5$

$\underline{\underline{y = 8}}$

7. $4x - 12 - x = 48$

$3x - 12 = 48 \quad /+12$

$3x = 60 \quad /:3$

$\underline{\underline{x = 20}}$

$$\begin{aligned}
 8. \quad & 17 = y + 10y - 5 \\
 & 17 = 11y - 5 \quad /+5 \\
 & 22 = 11y \quad /:11 \\
 & \underline{\underline{2 = y}}
 \end{aligned}$$

$$\begin{aligned}
 9. \quad & 8 + 24y - 12y = 28 \\
 & 8 + 12y = 28 \quad /-8 \\
 & 12y = 20 \quad /:12 \\
 & \underline{\underline{y = 1,\bar{6}}}
 \end{aligned}$$

$$\begin{aligned}
 10. \quad & 2 = 3y - 7y - 14 \\
 & 2 = -4y - 14 \quad /+4y \\
 & 4y + 2 = -14 \quad /-2 \\
 & 4y = -16 \quad /:4 \\
 & \underline{\underline{y = -4}}
 \end{aligned}$$

$$\begin{aligned}
 11. \quad & x - 24 + 4x = -9 \\
 & 5x - 24 = -9 \quad /+24 \\
 & 5x = 15 \quad /:5 \\
 & \underline{\underline{x = 3}}
 \end{aligned}$$

$$\begin{aligned}
 12. \quad & 0 = 6b - 3b - 15 \\
 & 0 = 3b - 15 \quad /+15 \\
 & 15 = 3b \quad /:3 \\
 & \underline{\underline{5 = b}}
 \end{aligned}$$