

Simple Linear Equations (A)

Solve for each variable.

1. $3x - 10 = -25$

6. $2u - 10 = 8$

11. $2y - (-4) = 20$

2. $-3c - (-8) = 29$

7. $2v - 10 = -12$

12. $3b - 8 = -5$

3. $2v - 2 = -20$

8. $2x - (-4) = -14$

13. $-3a - (-10) = 10$

4. $2a - 10 = -6$

9. $3x - (-5) = -7$

14. $3u - 5 = -17$

5. $3y - 9 = 3$

10. $2a - 1 = -5$

15. $-2b - 10 = -24$

Simple Linear Equations (A)

Solve for each variable.

1. $\frac{a}{6} + 4 = 9$

6. $10 - \frac{a}{5} = 7$

11. $10 - \frac{x}{6} = 8$

2. $2 + \frac{14}{x} = 4$

7. $\frac{a}{8} + 2 = 7$

12. $\frac{u}{7} + 2 = 4$

3. $\frac{36}{b} + 1 = 5$

8. $\frac{35}{u} + 6 = 13$

13. $\frac{a}{2} + 1 = 10$

4. $\frac{70}{y} + 3 = 10$

9. $\frac{40}{a} + 4 = 12$

14. $\frac{z}{7} + 10 = 18$

5. $7 + \frac{42}{x} = 13$

10. $\frac{21}{y} + 3 = 10$

15. $\frac{b}{3} + 6 = 15$

Simple Linear Equations (A)

Solve for each variable.

1. $\frac{a}{8} = -4$

6. $2z = 2$

11. $10 - \frac{b}{2} = 3$

2. $b - (-5) = 13$

7. $-1 - \frac{y}{8} = -7$

12. $\frac{y}{-7} = -7$

3. $3 + \frac{18}{z} = 12$

8. $\frac{8}{u} - (-2) = 6$

13. $\frac{b}{7} = -5$

4. $-9 + \frac{36}{a} = -5$

9. $a - 2 = -10$

14. $\frac{-2}{c} = 2$

5. $u + 2 = -8$

10. $\frac{u}{6} = 3$

15. $\frac{c}{5} + 3 = 8$

Linear Systems (A)

Solve each system of equations.

1.
$$\begin{aligned} 6b + 4y &= 54 \\ 4b &= 20 \end{aligned}$$

5.
$$\begin{aligned} 2b + c &= 12 \\ 2b &= 10 \end{aligned}$$

2.
$$\begin{aligned} a + 4x &= 11 \\ 6a &= 18 \end{aligned}$$

6.
$$\begin{aligned} 6c + z &= 31 \\ 5c &= 25 \end{aligned}$$

3.
$$\begin{aligned} 4u + 5v &= 30 \\ 5u &= 25 \end{aligned}$$

7.
$$\begin{aligned} 6b + 4v &= 14 \\ 5b &= 5 \end{aligned}$$

4.
$$\begin{aligned} 2u + 5y &= 15 \\ 4u &= 20 \end{aligned}$$

8.
$$\begin{aligned} 2x + 6z &= 14 \\ 5x &= 5 \end{aligned}$$