

Simple Linear Equations (A)

Solve for each variable.

1. $3z + (-10) = -19$

6. $-3v + 10 = 40$

11. $-2b + 6 = -10$

2. $3a + 5 = 2$

7. $3x + (-8) = -29$

12. $2y + 9 = -5$

3. $-2b + 9 = 25$

8. $-3u + 3 = -21$

13. $2c + 5 = 11$

4. $3z + (-2) = -8$

9. $3b + (-10) = 14$

14. $-2a + (-2) = 0$

5. $2x + 6 = 10$

10. $-3y + (-7) = 23$

15. $3v + 6 = 15$

Simple Linear Equations (A) Answers

Solve for each variable.

1. $3z + (-10) = -19$
 $z = -3$

6. $-3v + 10 = 40$
 $v = -10$

11. $-2b + 6 = -10$
 $b = 8$

2. $3a + 5 = 2$
 $a = -1$

7. $3x + (-8) = -29$
 $x = -7$

12. $2y + 9 = -5$
 $y = -7$

3. $-2b + 9 = 25$
 $b = -8$

8. $-3u + 3 = -21$
 $u = 8$

13. $2c + 5 = 11$
 $c = 3$

4. $3z + (-2) = -8$
 $z = -2$

9. $3b + (-10) = 14$
 $b = 8$

14. $-2a + (-2) = 0$
 $a = -1$

5. $2x + 6 = 10$
 $x = 2$

10. $-3y + (-7) = 23$
 $y = -10$

15. $3v + 6 = 15$
 $v = 3$

Simple Linear Equations (B)

Solve for each variable.

1. $3z + (-9) = -9$

6. $3a + (-2) = -5$

11. $2x + 10 = 22$

2. $2x + 3 = 5$

7. $-2b + 1 = 5$

12. $-2b + 8 = -8$

3. $-2y + 5 = 25$

8. $3b + (-6) = -12$

13. $2a + 10 = 26$

4. $-3z + 8 = 35$

9. $-2b + (-3) = 7$

14. $3y + 4 = -20$

5. $2x + (-4) = 14$

10. $3c + 5 = -13$

15. $-3u + 8 = 14$

Simple Linear Equations (B) Answers

Solve for each variable.

1. $3z + (-9) = -9$
 $z = 0$

6. $3a + (-2) = -5$
 $a = -1$

11. $2x + 10 = 22$
 $x = 6$

2. $2x + 3 = 5$
 $x = 1$

7. $-2b + 1 = 5$
 $b = -2$

12. $-2b + 8 = -8$
 $b = 8$

3. $-2y + 5 = 25$
 $y = -10$

8. $3b + (-6) = -12$
 $b = -2$

13. $2a + 10 = 26$
 $a = 8$

4. $-3z + 8 = 35$
 $z = -9$

9. $-2b + (-3) = 7$
 $b = -5$

14. $3y + 4 = -20$
 $y = -8$

5. $2x + (-4) = 14$
 $x = 9$

10. $3c + 5 = -13$
 $c = -6$

15. $-3u + 8 = 14$
 $u = -2$

Simple Linear Equations (C)

Solve for each variable.

1. $2u + 7 = 25$

6. $3b + 5 = 29$

11. $2y + 6 = -12$

2. $2y + 2 = 2$

7. $-3a + 1 = 19$

12. $2y + (-7) = 13$

3. $2b + (-9) = -3$

8. $-2z + (-7) = -17$

13. $3b + 9 = 12$

4. $-2c + 7 = 7$

9. $-3u + (-10) = -1$

14. $3x + 10 = -17$

5. $3u + 2 = -4$

10. $-2y + (-9) = -21$

15. $3x + 4 = -26$

Simple Linear Equations (C) Answers

Solve for each variable.

1. $2u + 7 = 25$
 $u = 9$

6. $3b + 5 = 29$
 $b = 8$

11. $2y + 6 = -12$
 $y = -9$

2. $2y + 2 = 2$
 $y = 0$

7. $-3a + 1 = 19$
 $a = -6$

12. $2y + (-7) = 13$
 $y = 10$

3. $2b + (-9) = -3$
 $b = 3$

8. $-2z + (-7) = -17$
 $z = 5$

13. $3b + 9 = 12$
 $b = 1$

4. $-2c + 7 = 7$
 $c = 0$

9. $-3u + (-10) = -1$
 $u = -3$

14. $3x + 10 = -17$
 $x = -9$

5. $3u + 2 = -4$
 $u = -2$

10. $-2y + (-9) = -21$
 $y = 6$

15. $3x + 4 = -26$
 $x = -10$

Simple Linear Equations (D)

Solve for each variable.

1. $3c + 10 = 19$

6. $2y + 7 = -7$

11. $3c + 10 = 19$

2. $3y + (-9) = 12$

7. $3c + (-6) = 21$

12. $3u + 6 = 18$

3. $2x + 3 = 3$

8. $3c + 4 = 28$

13. $2u + 6 = 24$

4. $2a + (-9) = -17$

9. $-2a + 10 = -8$

14. $-3b + 2 = -10$

5. $3u + 9 = 0$

10. $3y + 6 = 33$

15. $2b + 4 = -14$

Simple Linear Equations (D) Answers

Solve for each variable.

1. $3c + 10 = 19$
 $c = 3$

6. $2y + 7 = -7$
 $y = -7$

11. $3c + 10 = 19$
 $c = 3$

2. $3y + (-9) = 12$
 $y = 7$

7. $3c + (-6) = 21$
 $c = 9$

12. $3u + 6 = 18$
 $u = 4$

3. $2x + 3 = 3$
 $x = 0$

8. $3c + 4 = 28$
 $c = 8$

13. $2u + 6 = 24$
 $u = 9$

4. $2a + (-9) = -17$
 $a = -4$

9. $-2a + 10 = -8$
 $a = 9$

14. $-3b + 2 = -10$
 $b = 4$

5. $3u + 9 = 0$
 $u = -3$

10. $3y + 6 = 33$
 $y = 9$

15. $2b + 4 = -14$
 $b = -9$

Simple Linear Equations (E)

Solve for each variable.

1. $2z + 4 = -4$

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

11. $-3x + 7 = 37$

2. $3b + (-4) = 17$

7. $2y + 1 = -1$

12. $-3c + 9 = 24$

3. $-2b + 9 = 23$

8. $2x + 1 = 19$

13. $-2u + 1 = -1$

4. $3z + 2 = -13$

9. $2z + 6 = -12$

14. $-2c + 8 = 2$

5. $-3y + 2 = 26$

10. $-3a + 10 = -2$

15. $-2z + 1 = 5$

Simple Linear Equations (E) Answers

Solve for each variable.

1. $2z + 4 = -4$
 $z = -4$

6. $-3y + 6 = -18$
 $y = 8$

11. $-3x + 7 = 37$
 $x = -10$

2. $3b + (-4) = 17$
 $b = 7$

7. $2y + 1 = -1$
 $y = -1$

12. $-3c + 9 = 24$
 $c = -5$

3. $-2b + 9 = 23$
 $b = -7$

8. $2x + 1 = 19$
 $x = 9$

13. $-2u + 1 = -1$
 $u = 1$

4. $3z + 2 = -13$
 $z = -5$

9. $2z + 6 = -12$
 $z = -9$

14. $-2c + 8 = 2$
 $c = 3$

5. $-3y + 2 = 26$
 $y = -8$

10. $-3a + 10 = -2$
 $a = 4$

15. $-2z + 1 = 5$
 $z = -2$

Simple Linear Equations (F)

Solve for each variable.

1. $2b + (-1) = -17$

6. $3u + 7 = 19$

11. $2x + 5 = -5$

2. $3z + 10 = 13$

7. $3c + (-9) = -33$

12. $3b + 5 = 17$

3. $-2c + 9 = 13$

8. $3y + 7 = -8$

13. $2z + (-9) = 9$

4. $2c + 8 = -4$

9. $3c + (-9) = 18$

14. $2a + 7 = 11$

5. $2c + 7 = 15$

10. $2u + 6 = -4$

15. $2z + 3 = -17$

Simple Linear Equations (F) Answers

Solve for each variable.

1. $2b + (-1) = -17$
 $b = -8$

6. $3u + 7 = 19$
 $u = 4$

11. $2x + 5 = -5$
 $x = -5$

2. $3z + 10 = 13$
 $z = 1$

7. $3c + (-9) = -33$
 $c = -8$

12. $3b + 5 = 17$
 $b = 4$

3. $-2c + 9 = 13$
 $c = -2$

8. $3y + 7 = -8$
 $y = -5$

13. $2z + (-9) = 9$
 $z = 9$

4. $2c + 8 = -4$
 $c = -6$

9. $3c + (-9) = 18$
 $c = 9$

14. $2a + 7 = 11$
 $a = 2$

5. $2c + 7 = 15$
 $c = 4$

10. $2u + 6 = -4$
 $u = -5$

15. $2z + 3 = -17$
 $z = -10$

Simple Linear Equations (G)

Solve for each variable.

1. $2u + (-2) = -16$

6. $3z + 3 = 15$

11. $3x + 6 = -18$

2. $3c + 8 = 14$

7. $3b + (-7) = 5$

12. $2u + 4 = 6$

3. $3z + 10 = 28$

8. $2x + 8 = 12$

13. $2b + 4 = -12$

4. $-2y + 4 = -4$

9. $3a + (-4) = -4$

14. $2y + 2 = 2$

5. $-3u + 9 = 27$

10. $-3x + 3 = 33$

15. $3a + 1 = 22$

Simple Linear Equations (G) Answers

Solve for each variable.

1. $2u + (-2) = -16$
 $u = -7$

6. $3z + 3 = 15$
 $z = 4$

11. $3x + 6 = -18$
 $x = -8$

2. $3c + 8 = 14$
 $c = 2$

7. $3b + (-7) = 5$
 $b = 4$

12. $2u + 4 = 6$
 $u = 1$

3. $3z + 10 = 28$
 $z = 6$

8. $2x + 8 = 12$
 $x = 2$

13. $2b + 4 = -12$
 $b = -8$

4. $-2y + 4 = -4$
 $y = 4$

9. $3a + (-4) = -4$
 $a = 0$

14. $2y + 2 = 2$
 $y = 0$

5. $-3u + 9 = 27$
 $u = -6$

10. $-3x + 3 = 33$
 $x = -10$

15. $3a + 1 = 22$
 $a = 7$

Simple Linear Equations (H)

Solve for each variable.

1. $2c + (-5) = -11$

6. $3y + 8 = -10$

11. $2a + 9 = 23$

2. $3b + (-6) = 6$

7. $-3z + 6 = -21$

12. $-2y + 6 = -12$

3. $-2a + 3 = -17$

8. $-3c + (-6) = 18$

13. $-2c + 3 = -9$

4. $2b + 10 = -4$

9. $3v + 10 = 28$

14. $-3y + 4 = -14$

5. $2u + 2 = 16$

10. $2b + 5 = 25$

15. $2v + (-8) = -24$

Simple Linear Equations (H) Answers

Solve for each variable.

1. $2c + (-5) = -11$
 $c = -3$

6. $3y + 8 = -10$
 $y = -6$

11. $2a + 9 = 23$
 $a = 7$

2. $3b + (-6) = 6$
 $b = 4$

7. $-3z + 6 = -21$
 $z = 9$

12. $-2y + 6 = -12$
 $y = 9$

3. $-2a + 3 = -17$
 $a = 10$

8. $-3c + (-6) = 18$
 $c = -8$

13. $-2c + 3 = -9$
 $c = 6$

4. $2b + 10 = -4$
 $b = -7$

9. $3v + 10 = 28$
 $v = 6$

14. $-3y + 4 = -14$
 $y = 6$

5. $2u + 2 = 16$
 $u = 7$

10. $2b + 5 = 25$
 $b = 10$

15. $2v + (-8) = -24$
 $v = -8$

Simple Linear Equations (I)

Solve for each variable.

1. $-2u + 1 = -1$

6. $2u + (-5) = -25$

11. $3c + 7 = -2$

2. $2b + 2 = -2$

7. $-2x + 4 = 6$

12. $2a + 7 = 19$

3. $3c + 6 = 3$

8. $3a + 2 = -22$

13. $2x + (-5) = 3$

4. $3x + 6 = 24$

9. $-2u + 4 = 12$

14. $2b + 10 = 12$

5. $3v + (-10) = -1$

10. $2x + 1 = 11$

15. $2z + 4 = 12$

Simple Linear Equations (I) Answers

Solve for each variable.

1. $-2u + 1 = -1$
 $u = 1$

6. $2u + (-5) = -25$
 $u = -10$

11. $3c + 7 = -2$
 $c = -3$

2. $2b + 2 = -2$
 $b = -2$

7. $-2x + 4 = 6$
 $x = -1$

12. $2a + 7 = 19$
 $a = 6$

3. $3c + 6 = 3$
 $c = -1$

8. $3a + 2 = -22$
 $a = -8$

13. $2x + (-5) = 3$
 $x = 4$

4. $3x + 6 = 24$
 $x = 6$

9. $-2u + 4 = 12$
 $u = -4$

14. $2b + 10 = 12$
 $b = 1$

5. $3v + (-10) = -1$
 $v = 3$

10. $2x + 1 = 11$
 $x = 5$

15. $2z + 4 = 12$
 $z = 4$

Simple Linear Equations (J)

Solve for each variable.

1. $2a + 6 = 14$

6. $-3a + 1 = -17$

11. $2u + (-2) = 8$

2. $-2z + 8 = 24$

7. $2a + 5 = 23$

12. $2y + 10 = -2$

3. $2u + 5 = 17$

8. $2c + 7 = -1$

13. $-2b + 9 = -11$

4. $-2z + 10 = 26$

9. $3a + (-1) = -4$

14. $2b + 6 = 12$

5. $3v + 7 = 1$

10. $3a + 5 = 8$

15. $3a + 8 = 2$

Simple Linear Equations (J) Answers

Solve for each variable.

1. $2a + 6 = 14$
 $a = 4$

6. $-3a + 1 = -17$
 $a = 6$

11. $2u + (-2) = 8$
 $u = 5$

2. $-2z + 8 = 24$
 $z = -8$

7. $2a + 5 = 23$
 $a = 9$

12. $2y + 10 = -2$
 $y = -6$

3. $2u + 5 = 17$
 $u = 6$

8. $2c + 7 = -1$
 $c = -4$

13. $-2b + 9 = -11$
 $b = 10$

4. $-2z + 10 = 26$
 $z = -8$

9. $3a + (-1) = -4$
 $a = -1$

14. $2b + 6 = 12$
 $b = 3$

5. $3v + 7 = 1$
 $v = -2$

10. $3a + 5 = 8$
 $a = 1$

15. $3a + 8 = 2$
 $a = -2$