

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. $-3a - (-10) = 16$

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) Answers

Solve for each variable.

1. $3x - 10 = -25$
 $x = -5$

6. $2u - 10 = 8$
 $u = 9$

11. $2y - (-4) = 20$
 $y = 8$

2. $-3c - (-8) = 29$
 $c = -7$

7. $2v - 10 = -12$
 $v = -1$

12. $3b - 8 = -5$
 $b = 1$

3. $2v - 2 = -20$
 $v = -9$

8. $2x - (-4) = -14$
 $x = -9$

13. $-3a - (-10) = 16$
 $a = -2$

4. $2a - 10 = -6$
 $a = 2$

9. $3x - (-5) = -7$
 $x = -4$

14. $3u - 5 = -17$
 $u = -4$

5. $3y - 9 = 3$
 $y = 4$

10. $2a - 1 = -5$
 $a = -2$

15. $-2b - 10 = -24$
 $b = 7$

Simple Linear Equations (B)

Solve for each variable.

1. $2z - 1 = -13$

6. $-3c - 10 = 14$

11. $2a - 10 = 8$

2. $2z - (-1) = 7$

7. $3a - 3 = -18$

12. $2v - (-10) = 16$

3. $2a - 1 = 19$

8. $-2v - (-1) = 21$

13. $2y - (-3) = -17$

4. $-3a - 4 = 8$

9. $-3z - (-10) = -17$

14. $2c - 8 = 8$

5. $3x - (-9) = -18$

10. $3x - 2 = -17$

15. $-3x - 9 = -33$

Simple Linear Equations (B) Answers

Solve for each variable.

1. $2z - 1 = -13$
 $z = -6$

6. $-3c - 10 = 14$
 $c = -8$

11. $2a - 10 = 8$
 $a = 9$

2. $2z - (-1) = 7$
 $z = 3$

7. $3a - 3 = -18$
 $a = -5$

12. $2v - (-10) = 16$
 $v = 3$

3. $2a - 1 = 19$
 $a = 10$

8. $-2v - (-1) = 21$
 $v = -10$

13. $2y - (-3) = -17$
 $y = -10$

4. $-3a - 4 = 8$
 $a = -4$

9. $-3z - (-10) = -17$
 $z = 9$

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

5. $3x - (-9) = -18$
 $x = -9$

10. $3x - 2 = -17$
 $x = -5$

15. $-3x - 9 = -33$
 $x = 8$

Simple Linear Equations (C)

Solve for each variable.

1. $-3u - 4 = 8$

6. $-2z - 7 = 3$

11. $3u - 8 = 1$

2. $3x - (-9) = -12$

7. $3x - 2 = 25$

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

3. $2u - 7 = -27$

8. $-2a - (-10) = 0$

13. $-2a - 5 = 9$

4. $-2z - 2 = 2$

9. $2x - 2 = 8$

14. $-2v - (-10) = 14$

5. $2v - 4 = 16$

10. $-3z - 7 = 17$

15. $2z - (-2) = -18$

Simple Linear Equations (C) Answers

Solve for each variable.

1. $-3u - 4 = 8$
 $u = -4$

6. $-2z - 7 = 3$
 $z = -5$

11. $3u - 8 = 1$
 $u = 3$

2. $3x - (-9) = -12$
 $x = -7$

7. $3x - 2 = 25$
 $x = 9$

12. $2y - (-7) = 9$
 $y = 1$

3. $2u - 7 = -27$
 $u = -10$

8. $-2a - (-10) = 0$
 $a = 5$

13. $-2a - 5 = 9$
 $a = -7$

4. $-2z - 2 = 2$
 $z = -2$

9. $2x - 2 = 8$
 $x = 5$

14. $-2v - (-10) = 14$
 $v = -2$

5. $2v - 4 = 16$
 $v = 10$

10. $-3z - 7 = 17$
 $z = -8$

15. $2z - (-2) = -18$
 $z = -10$

Simple Linear Equations (D)

Solve for each variable.

1. $-3c - 2 = -8$

6. $3b - 9 = -36$

11. $2z - (-1) = 9$

2. $3u - 3 = 21$

7. $3y - (-4) = -2$

12. $-2x - (-8) = 6$

3. $-2x - (-2) = -4$

8. $2y - 2 = 12$

13. $2x - 7 = 5$

4. $3v - 10 = -13$

9. $2b - 8 = -20$

14. $3y - 3 = -33$

5. $3a - 10 = 17$

10. $-3z - (-8) = 32$

15. $3x - (-9) = -21$

Simple Linear Equations (D) Answers

Solve for each variable.

1. $-3c - 2 = -8$
 $c = 2$

6. $3b - 9 = -36$
 $b = -9$

11. $2z - (-1) = 9$
 $z = 4$

2. $3u - 3 = 21$
 $u = 8$

7. $3y - (-4) = -2$
 $y = -2$

12. $-2x - (-8) = 6$
 $x = 1$

3. $-2x - (-2) = -4$
 $x = 3$

8. $2y - 2 = 12$
 $y = 7$

13. $2x - 7 = 5$
 $x = 6$

4. $3v - 10 = -13$
 $v = -1$

9. $2b - 8 = -20$
 $b = -6$

14. $3y - 3 = -33$
 $y = -10$

5. $3a - 10 = 17$
 $a = 9$

10. $-3z - (-8) = 32$
 $z = -8$

15. $3x - (-9) = -21$
 $x = -10$

Simple Linear Equations (E)

Solve for each variable.

1. $2v - 2 = 6$

6. $3x - (-4) = -11$

11. $-3u - (-7) = 16$

2. $-3v - 5 = 16$

7. $-3b - 5 = -26$

12. $3y - 9 = -30$

3. $-3v - 5 = -2$

8. $2x - 7 = -1$

13. $3u - (-10) = -5$

4. $3a - 6 = -24$

9. $2a - 3 = 11$

14. $-3z - 6 = -18$

5. $-3x - (-1) = -5$

10. $-2a - 2 = -12$

15. $3y - 1 = 14$

Simple Linear Equations (E) Answers

Solve for each variable.

1. $2v - 2 = 6$
 $v = 4$

6. $3x - (-4) = -11$
 $x = -5$

11. $-3u - (-7) = 16$
 $u = -3$

2. $-3v - 5 = 16$
 $v = -7$

7. $-3b - 5 = -26$
 $b = 7$

12. $3y - 9 = -30$
 $y = -7$

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

8. $2x - 7 = -1$
 $x = 3$

13. $3u - (-10) = -5$
 $u = -5$

4. $3a - 6 = -24$
 $a = -6$

9. $2a - 3 = 11$
 $a = 7$

14. $-3z - 6 = -18$
 $z = 4$

5. $-3x - (-1) = -5$
 $x = 2$

10. $-2a - 2 = -12$
 $a = 5$

15. $3y - 1 = 14$
 $y = 5$

Simple Linear Equations (F)

Solve for each variable.

1. $2v - 8 = -10$

6. $3b - (-10) = 28$

11. $2x - 2 = 0$

2. $2z - (-4) = -14$

7. $-3u - (-3) = 9$

12. $2v - 3 = -11$

3. $2u - 10 = -18$

8. $-2z - 9 = -3$

13. $2u - 2 = -4$

4. $2c - 4 = -12$

9. $3u - 10 = 20$

14. $3x - 8 = 7$

5. $-3u - 6 = -30$

10. $-3u - (-4) = -17$

15. $3c - (-1) = 13$

Simple Linear Equations (F) Answers

Solve for each variable.

1. $2v - 8 = -10$
 $v = -1$

6. $3b - (-10) = 28$
 $b = 6$

11. $2x - 2 = 0$
 $x = 1$

2. $2z - (-4) = -14$
 $z = -9$

7. $-3u - (-3) = 9$
 $u = -2$

12. $2v - 3 = -11$
 $v = -4$

3. $2u - 10 = -18$
 $u = -4$

8. $-2z - 9 = -3$
 $z = -3$

13. $2u - 2 = -4$
 $u = -1$

4. $2c - 4 = -12$
 $c = -4$

9. $3u - 10 = 20$
 $u = 10$

14. $3x - 8 = 7$
 $x = 5$

5. $-3u - 6 = -30$
 $u = 8$

10. $-3u - (-4) = -17$
 $u = 7$

15. $3c - (-1) = 13$
 $c = 4$

Simple Linear Equations (G)

Solve for each variable.

1. $-2u - 7 = -5$

6. $-2b - 2 = 16$

11. $3z - (-2) = -28$

2. $3c - 6 = 21$

7. $3b - 7 = -19$

12. $-2a - 6 = 0$

3. $-3b - 8 = -14$

8. $2x - (-3) = -13$

13. $3u - 1 = 8$

4. $2u - 10 = -8$

9. $3a - 10 = -31$

14. $2v - 5 = -23$

5. $2x - 3 = 11$

10. $3a - 8 = -26$

15. $-2x - 6 = -6$

Simple Linear Equations (G) Answers

Solve for each variable.

1. $-2u - 7 = -5$
 $u = -1$

6. $-2b - 2 = 16$
 $b = -9$

11. $3z - (-2) = -28$
 $z = -10$

2. $3c - 6 = 21$
 $c = 9$

7. $3b - 7 = -19$
 $b = -4$

12. $-2a - 6 = 0$
 $a = -3$

3. $-3b - 8 = -14$
 $b = 2$

8. $2x - (-3) = -13$
 $x = -8$

13. $3u - 1 = 8$
 $u = 3$

4. $2u - 10 = -8$
 $u = 1$

9. $3a - 10 = -31$
 $a = -7$

14. $2v - 5 = -23$
 $v = -9$

5. $2x - 3 = 11$
 $x = 7$

10. $3a - 8 = -26$
 $a = -6$

15. $-2x - 6 = -6$
 $x = 0$

Simple Linear Equations (H)

Solve for each variable.

1. $2b - 1 = -11$

6. $-2u - 6 = 0$

11. $-3x - 9 = 18$

2. $2z - 7 = -7$

7. $2v - 4 = -8$

12. $-3y - (-6) = -3$

3. $2z - 1 = 17$

8. $-3y - (-5) = 20$

13. $3a - 3 = 9$

4. $2v - 10 = -24$

9. $2u - (-5) = -13$

14. $3x - 3 = -15$

5. $2a - (-8) = -4$

10. $-2z - 6 = 10$

15. $3y - 6 = 18$

Simple Linear Equations (H) Answers

Solve for each variable.

1. $2b - 1 = -11$
 $b = -5$

6. $-2u - 6 = 0$
 $u = -3$

11. $-3x - 9 = 18$
 $x = -9$

2. $2z - 7 = -7$
 $z = 0$

7. $2v - 4 = -8$
 $v = -2$

12. $-3y - (-6) = -3$
 $y = 3$

3. $2z - 1 = 17$
 $z = 9$

8. $-3y - (-5) = 20$
 $y = -5$

13. $3a - 3 = 9$
 $a = 4$

4. $2v - 10 = -24$
 $v = -7$

9. $2u - (-5) = -13$
 $u = -9$

14. $3x - 3 = -15$
 $x = -4$

5. $2a - (-8) = -4$
 $a = -6$

10. $-2z - 6 = 10$
 $z = -8$

15. $3y - 6 = 18$
 $y = 8$

Simple Linear Equations (I)

Solve for each variable.

1. $3v - 7 = 2$

6. $2v - 1 = 17$

11. $3u - 2 = -5$

2. $3a - 4 = 14$

7. $2u - (-1) = 11$

12. $3z - 1 = -25$

3. $2c - 4 = -22$

8. $2z - (-7) = 25$

13. $3v - (-7) = -14$

4. $-2u - (-9) = -9$

9. $2z - 6 = -12$

14. $2y - 4 = -2$

5. $-3a - 3 = 6$

10. $2x - 8 = 12$

15. $-2u - 10 = 6$

Simple Linear Equations (I) Answers

Solve for each variable.

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

6. $2v - 1 = 17$
 $v = 9$

11. $3u - 2 = -5$
 $u = -1$

2. $3a - 4 = 14$
 $a = 6$

7. $2u - (-1) = 11$
 $u = 5$

12. $3z - 1 = -25$
 $z = -8$

3. $2c - 4 = -22$
 $c = -9$

8. $2z - (-7) = 25$
 $z = 9$

13. $3v - (-7) = -14$
 $v = -7$

4. $-2u - (-9) = -9$
 $u = 9$

9. $2z - 6 = -12$
 $z = -3$

14. $2y - 4 = -2$
 $y = 1$

5. $-3a - 3 = 6$
 $a = -3$

10. $2x - 8 = 12$
 $x = 10$

15. $-2u - 10 = 6$
 $u = -8$

Simple Linear Equations (J)

Solve for each variable.

1. $2v - (-3) = -9$

6. $2v - (-5) = 9$

11. $3u - 10 = 8$

2. $3a - 8 = 4$

7. $2x - (-9) = -3$

12. $-2x - (-1) = 11$

3. $-3v - 8 = -26$

8. $3u - 10 = -25$

13. $-2x - 7 = -9$

4. $2x - (-6) = 24$

9. $3c - 9 = 6$

14. $-3c - (-1) = 28$

5. $3c - (-5) = 32$

10. $3x - 9 = -6$

15. $-2a - (-3) = 23$

Simple Linear Equations (J) Answers

Solve for each variable.

1. $2v - (-3) = -9$
 $v = -6$

6. $2v - (-5) = 9$
 $v = 2$

11. $3u - 10 = 8$
 $u = 6$

2. $3a - 8 = 4$
 $a = 4$

7. $2x - (-9) = -3$
 $x = -6$

12. $-2x - (-1) = 11$
 $x = -5$

3. $-3v - 8 = -26$
 $v = 6$

8. $3u - 10 = -25$
 $u = -5$

13. $-2x - 7 = -9$
 $x = 1$

4. $2x - (-6) = 24$
 $x = 9$

9. $3c - 9 = 6$
 $c = 5$

14. $-3c - (-1) = 28$
 $c = -9$

5. $3c - (-5) = 32$
 $c = 9$

10. $3x - 9 = -6$
 $x = 1$

15. $-2a - (-3) = 23$
 $a = -10$