

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