

Linear Systems (F)

Solve each system of equations.

1. $3a + z = 10$
 $3a + 5z = 14$

5. $5c + 2z = 23$
 $c + 5z = 23$

2. $u + 6z = 28$
 $4u + 4z = 32$

6. $5b + 2x = 9$
 $3b + 6x = 15$

3. $2b + 2u = 8$
 $3b + 6u = 15$

7. $a + x = 8$
 $a + 3x = 16$

4. $6a + u = 33$
 $4a + 6u = 38$

8. $u + x = 4$
 $6u + 3x = 15$

Linear Systems (F) Answers

Solve each system of equations.

1. $3a + z = 10$
 $3a + 5z = 14$
 $a = 3, z = 1$

5. $5c + 2z = 23$
 $c + 5z = 23$
 $c = 3, z = 4$

2. $u + 6z = 28$
 $4u + 4z = 32$
 $u = 4, z = 4$

6. $5b + 2x = 9$
 $3b + 6x = 15$
 $b = 1, x = 2$

3. $2b + 2u = 8$
 $3b + 6u = 15$
 $b = 3, u = 1$

7. $a + x = 8$
 $a + 3x = 16$
 $a = 4, x = 4$

4. $6a + u = 33$
 $4a + 6u = 38$
 $a = 5, u = 3$

8. $u + x = 4$
 $6u + 3x = 15$
 $u = 1, x = 3$