Linear Systems (A)

Solve each system of equations.

1. $3u + z = 15$
   $u + 2z = 10$

2. $u + 6y = 32$
   $u + 3y = 17$

3. $3c + 4u = 33$
   $6c + 3u = 36$

4. $6u + v = 18$
   $5u + 2v = 22$

5. $2a + 2x = 18$
   $a + 3x = 17$

6. $5a + 2v = 32$
   $6a + 6v = 42$

7. $2b + v = 13$
   $b + v = 8$

8. $3a + 5u = 17$
   $2a + u = 9$

Linear Systems (A) Answers

Solve each system of equations.

1. $3u + z = 15$
   $u + 2z = 10$
   $u = 4, z = 3$

2. $u + 6y = 32$
   $u + 3y = 17$
   $u = 2, y = 5$

3. $3c + 4u = 33$
   $6c + 3u = 36$
   $c = 3, u = 6$

4. $6u + v = 18$
   $5u + 2v = 22$
   $u = 2, v = 6$

5. $2a + 2x = 18$
   $a + 3x = 17$
   $a = 5, x = 4$

6. $5a + 2v = 32$
   $6a + 6v = 42$
   $a = 6, v = 1$

7. $2b + v = 13$
   $b + v = 8$
   $b = 5, v = 3$

8. $3a + 5u = 17$
   $2a + u = 9$
   $a = 4, u = 1$

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