Linear Systems (E)

Solve each system of equations.

1. $4b + c = 10$
   $6b + 3c = 24$

2. $2c + 6u = 24$
   $4c + 6u = 36$

3. $2y + 3z = 18$
   $6y + 4z = 44$

4. $y + 3z = 20$
   $y + 4z = 25$

5. $2y + 3z = 19$
   $y + 6z = 32$

6. $v + 2x = 15$
   $3v + 5x = 39$

7. $6b + 5x = 40$
   $5b + 4x = 33$

8. $c + 4y = 18$
   $3c + 4y = 30$

Linear Systems (E) Answers

Solve each system of equations.

1. $4b + c = 10$
$6b + 3c = 24$
$b = 1, c = 6$

5. $2y + 3z = 19$
$y + 6z = 32$
$y = 2, z = 5$

2. $2c + 6u = 24$
$4c + 6u = 36$
$c = 6, u = 2$

6. $v + 2x = 15$
$3v + 5x = 39$
$v = 3, x = 6$

3. $2y + 3z = 18$
$6y + 4z = 44$
$y = 6, z = 2$

7. $6b + 5x = 40$
$5b + 4x = 33$
$b = 5, x = 2$

4. $y + 3z = 20$
$y + 4z = 25$
$y = 5, z = 5$

8. $c + 4y = 18$
$3c + 4y = 30$
$c = 6, y = 3$