# Linear Systems (G)

## Solve each system of equations.

1. $-4c - 5x = -33$
   $3c - 6x = -24$

2. $6c - 2x = 8$
   $4c - 3x = 2$

3. $4v + 3x = 19$
   $-v + 4x = 0$

4. $2a + 6z = -20$
   $6a + 2z = -28$

5. $4u - 4x = 4$
   $u + 6x = -6$

6. $5a + 6u = -30$
   $5a - 6u = -30$

7. $-3a - u = 7$
   $6a - 2u = 2$

8. $-2b - 4c = -18$
   $b + 6c = 33$

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# Linear Systems (G) Answers

## Solve each system of equations.

1. $-4c - 5x = -33$
   $3c - 6x = -24$
   $c = 2, x = 5$

2. $6c - 2x = 8$
   $4c - 3x = 2$
   $c = 2, x = 2$

3. $4v + 3x = 19$
   $-v + 4x = 0$
   $v = 4, x = 1$

4. $2a + 6z = -20$
   $6a + 2z = -28$
   $a = -4, z = -2$

5. $4u - 4x = 4$
   $u + 6x = -6$
   $u = 0, x = -1$

6. $5a + 6u = -30$
   $5a - 6u = -30$
   $a = -6, u = 0$

7. $-3a - u = 7$
   $6a - 2u = 2$
   $a = -1, u = -4$

8. $-2b - 4c = -18$
   $b + 6c = 33$
   $b = -3, c = 6$