Linear Systems (H)

Solve each system of equations.

1. $6v + 3x = 0$
   $4v - 6x = -16$

2. $-2c - 4u = 12$
   $3c + u = -13$

3. $-2u + 2x = 20$
   $-5u + 4x = 44$

4. $-u - 5x = -13$
   $3u + 4x = 17$

5. $3c - u = 3$
   $-3c - 5u = -39$

6. $-6a - 6y = 42$
   $-6a + 3y = 15$

7. $-2u - 2z = -18$
   $-2u + 3z = 2$

8. $3a - 4u = -9$
   $3a + u = 21$

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Linear Systems (H) Answers

Solve each system of equations.

1. $6v + 3x = 0$
   $4v - 6x = -16$
   $v = -1, x = 2$

2. $-2c - 4u = 12$
   $3c + u = -13$
   $c = -4, u = -1$

3. $-2u + 2x = 20$
   $-5u + 4x = 44$
   $u = -4, x = 6$

4. $-u - 5x = -13$
   $3u + 4x = 17$
   $u = 3, x = 2$

5. $3c - u = 3$
   $-3c - 5u = -39$
   $c = 3, u = 6$

6. $-6a - 6y = 42$
   $-6a + 3y = 15$
   $a = -4, y = -3$

7. $-2u - 2z = -18$
   $-2u + 3z = 2$
   $u = 5, z = 4$

8. $3a - 4u = -9$
   $3a + u = 21$
   $a = 5, u = 6$