Linear Systems (A)

Solve each system of equations.

1. \(-3c - 4u + 4y = -25\)
   \(-3c + 3u + 3y = 6\)
   \(-4c - 3y = 13\)

5. \(-u - x + 2z = -11\)
   \(3u - 2x + z = -18\)
   \(-4u + 5x = 34\)

2. \(2a - 5u + 3y = -4\)
   \(6a + 5u - y = 8\)
   \(-u - 4y = -28\)

6. \(3a - 5c + 5x = 43\)
   \(c - 5x = -24\)
   \(3a + 4x = 19\)

3. \(6c + 4v - z = -31\)
   \(c + v + 6z = 14\)
   \(-v - 6z = -20\)

7. \(4c + u - 3x = 4\)
   \(5c + 6u + 6x = -58\)
   \(6c - 6u + x = 1\)

4. \(-3v - 6y - z = -3\)
   \(-5v + 6y + z = 43\)
   \(6y - z = 18\)

8. \(3c + 5v + 4z = 6\)
   \(-2c - 5v - 4z = -5\)
   \(-6c + 2v + 4z = 0\)

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Solve each system of equations.

1. \[-3c - 4u + 4y = -25\]
\[-3c + 3u + 3y = 6\]
\[-4c - 3y = 13\]
\[c = -1, u = 4, y = -3\]

5. \[-u - x + 2z = -11\]
\[3u - 2x + z = -18\]
\[-4u + 5x = 34\]
\[u = -1, x = 6, z = -3\]

2. \[2a - 5u + 3y = -4\]
\[6a + 5u - y = 8\]
\[-u - 4y = -28\]
\[a = -1, u = 4, y = 6\]

6. \[3a - 5c + 5x = 43\]
\[c - 5x = -24\]
\[3a + 4x = 19\]
\[a = 1, c = -4, x = 4\]

3. \[6c + 4v - z = -31\]
\[c + v + 6z = 14\]
\[-v - 6z = -20\]
\[c = -6, v = 2, z = 3\]

7. \[4c + u - 3x = 4\]
\[5c + 6u + 6x = -58\]
\[6c - 6u + x = 1\]
\[c = -2, u = -3, x = -5\]

4. \[-3v - 6y - z = -3\]
\[-5v + 6y + z = 43\]
\[6y - z = 18\]
\[v = -5, y = 3, z = 0\]

8. \[3c + 5v + 4z = 6\]
\[-2c - 5v - 4z = -5\]
\[-6c + 2v + 4z = 0\]
\[c = 1, v = -1, z = 2\]