

Unit 4+ Lesson 6 – Solving Systems of Equations by Matrices.

Solving each system by using matrices. Write out the matrices first then find the inverse.

1. $-4x - 2y = -12$
 $4x + 8y = -24$

Matrices:

$$|A| = \quad A^{-1} =$$

Solve:

2. $x - y = 11$
 $2x + y = 19$

Matrices:

$$|A| = \quad A^{-1} =$$

Solve:

3. $8x + y = -16$
 $-3x + y = -5$

Matrices:

$$|A| = \quad A^{-1} =$$

Solve:

4. $5x + y = 9$
 $10x - 7y = -18$

Matrices:

$$|A| = \quad A^{-1} =$$

Solve:

Answer Key

1. (6, -6)	2. (10, -1)	3. (-1, -8)
4. (1, 4)		