

Unit 1 Matrices Task 3 Extra Practice

Solve the system of equations using matrices. Show the coefficient matrix, the answer matrix, and state your solution for the variables.

1. $3x - 3y = -6$
 $9x - 2y = 3$

2. $3x + 2y = 12$
 $4x - y = 5$

3. $2x + 4y = 3y$
 $x - 2y + 4 = 0$

4. $x + 2y - 3z = 9$
 $2x - y + 2z = -8$
 $3x - y - 4z = 3$

Find the equation of the line passing through the points:

5. (2,3) and (-1, -2)

6. (0,4) and (-4,0)

Find the equations of the parabola passing through the points:

7. (0,-5) (1,7) and (-1, -9)

8. (-1,12) (0,7) and (1,0)

System of Equations Practice

Find the equation of the line or parabola for each graph.
Show the matrices you use.

