M7L3 – Elimination Using Addition and Subtraction

Group (1)

Names:

Solve by elimination

7. $6c - 9d = 111$
$5c - 9d = 103$

8. $11f + 14g = 13$
$11f + 10g = 25$

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Key Concept • Elimination Method Using Subtraction
Step 1 Write the system so like terms with the same coefficients are aligned.
Step 2 Subtract one equation from the other, eliminating one variable. Then solve the equation.
Step 3 Substitute the value from Step 2 into one of the equations and solve for the other variable. Write the solution as an ordered pair.

Group (2)

Names:

Solve by elimination

7. $6c - 9d = 111$ Subtract
$5c - 9d = 103$

8. $11f + 14g = 13$ Subtract
$11f + 10g = 25$

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Key Concept • Elimination Method Using Subtraction
Step 1 Write the system so like terms with the same coefficients are aligned.
Step 2 Subtract one equation from the other, eliminating one variable. Then solve the equation.
Step 3 Substitute the value from Step 2 into one of the equations and

Group (3)

Names:

Solve by elimination

7. $6c - 9d = 111$
$5c - 9d = 103$

8. $11f + 14g = 13$
$11f + 10g = 25$

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Group (4)

Names:

Solve by elimination

7. $6c - 9d = 111$
$5c - 9d = 103$

8. $11f + 14g = 13$
$11f + 10g = 25$