

Solving Systems of Linear Equations



Solve these simultaneous equations algebraically.

Section A

1) $4x + y = 17$
 $2x + y = 9$

$x = \underline{\quad}$ $y = \underline{\quad}$

2) $2x + y = 7$
 $5x - y = 14$

$x = \underline{\quad}$ $y = \underline{\quad}$

3) $3x + 2y = 19$
 $2x - 2y = 6$

$x = \underline{\quad}$ $y = \underline{\quad}$

4) $3x - 4y = 17$
 $x - 4y = 3$

$x = \underline{\quad}$ $y = \underline{\quad}$

5) $2x + 5y = 24$
 $2x + 3y = 16$

$x = \underline{\quad}$ $y = \underline{\quad}$

6) $4x - 3y = 7$
 $x + 3y = 13$

$x = \underline{\quad}$ $y = \underline{\quad}$

Section B

1) $2x + y = 4$
 $5x + 4y = 7$

$x = \underline{\quad}$ $y = \underline{\quad}$

2) $14x + 2y = 8$
 $x + y = 1$

$x = \underline{\quad}$ $y = \underline{\quad}$

3) $7x + 8y = 3$
 $3x + 4y = 7$

$x = \underline{\quad}$ $y = \underline{\quad}$

4) $3x + 4y = 29$
 $4x - 2y = 2$

$x = \underline{\quad}$ $y = \underline{\quad}$

5) $6x - 5y = -1$
 $3x - y = -2$

$x = \underline{\quad}$ $y = \underline{\quad}$

6) $3x - 2y = 6$
 $5x + 6y = 38$

$x = \underline{\quad}$ $y = \underline{\quad}$

Systems Of Linear Equations Worksheet Answers

Scott C. Dulebohn



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