

7.4 Worksheet (Solving Systems of Equations by Multiplying First)

Solve the linear system using elimination.

1. $3x + 2y = 4$
 $5x + 2y = 8$

2. $4x + 3y = 8$
 $x - 2y = 13$

3. $10x - 9y = 46$
 $-2x + 3y = 10$

4. $2x + 5y = 3$
 $3x + 10y = -3$

5. $6x + 5y = 19$
 $2x + 3y = 5$

6. $4x - 3y = 8$
 $5x - 2y = -11$

7. $7x - 6y = -1$
 $5x - 4y = 1$

8. $12x - 7y = -2$
 $-8x + 11y = 14$

7.4 Worksheet Answers

1. $(2, -1)$

2. $(5, -4)$

3. $(19, 16)$

4. $(9, -3)$

5. $(4, -1)$

6. $(-7, -12)$

7. $(5, 6)$

8. $(1, 2)$