

Systems of Equations

Exercises

Directions: Solve each system of equations using the elimination method. Show your work and label the solution set.

1. $x + y = 5$ $x - y = 1$	2. $2x + 3y = 12$ $x - y = 4$
3. $3x + 2y = 8$ $x - y = 2$	4. $4x + 5y = 20$ $2x - 3y = 6$
5. $5x + 4y = 20$ $3x - 2y = 6$	6. $6x + 7y = 42$ $2x - 5y = 10$
7. $7x + 8y = 56$ $3x - 4y = 12$	8. $8x + 9y = 72$ $4x - 6y = 24$
9. $9x + 10y = 90$ $5x - 7y = 35$	10. $10x + 11y = 110$ $6x - 8y = 48$

Answer Key:
 1. (3, 2)
 2. (2, -2)
 3. (2, -1)
 4. (2, -2)
 5. (2, -1)
 6. (3, -2)
 7. (4, -1)
 8. (4, -2)
 9. (5, -1)
 10. (5, -2)

