Name: _____

Solving Systems by Elimination B

Solve each system of equations by elimination. Write the solution as an ordered pair.

1. Solve the system: $2x + 2y = 12$ and $5x + 2y = 6$

   Solution: _____

2. Solve the system: $3x + y = 1$ and $x + 4y = -18$

   Solution: _____

3. Solve the system: $4x + 5y = 67$ and $2x + 4y = 44$

   Solution: _____

4. Solve the system: $4x + 5y = 33$ and $3x + 4y = 25$

   Solution: _____

5. Solve the system: $5x + 5y = 5$ and $4x + 2y = 4$

   Solution: _____

6. Solve the system: $3x + 5y = 25$ and $2x + y = -2$

   Solution: _____

7. Solve the system: $2x + 3y = 18$ and $4x + 5y = 34$

   Solution: _____

8. Solve the system: $x + 5y = 45$ and $5x + y = 33$

   Solution: _____

9. Solve the system: $4x + 5y = 44$ and $5x + y = 34$

   Solution: _____

10. Solve the system: $4x + 3y = 7$ and $3x + 5y = -3$

    Solution: _____

Name: **ANSWER KEY**

Solving Systems by Elimination B

Solve each system of equations by elimination. Write the solution as an ordered pair.

1. Solve the system: 2x + 2y = 12 and 5x + 2y = 6

Solution: (−2, 8)

2. Solve the system: 3x + y = 1 and x + 4y = −18

Solution: (2, −5)

3. Solve the system: 4x + 5y = 67 and 2x + 4y = 44

Solution: (8, 7)

4. Solve the system: 4x + 5y = 33 and 3x + 4y = 25

Solution: (7, 1)

5. Solve the system: 5x + 5y = 5 and 4x + 2y = 4

Solution: (1, 0)

6. Solve the system: 3x + 5y = 25 and 2x + y = −2

Solution: (−5, 8)

7. Solve the system: 2x + 3y = 18 and 4x + 5y = 34

Solution: (6, 2)

8. Solve the system: x + 5y = 45 and 5x + y = 33

Solution: (5, 8)

9. Solve the system: 4x + 5y = 44 and 5x + y = 34

Solution: (6, 4)

10. Solve the system: 4x + 3y = 7 and 3x + 5y = −3

Solution: (4, −3)