Name: _____

Solving Systems by Elimination A

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

1. Solve the system: $3x + 3y = 18$ and $5x - 3y = 6$

   Solution: _____

2. Solve the system: $4x + 4y = 0$ and $4x - 4y = -40$

   Solution: _____

3. Solve the system: $3x + 3y = 27$ and $x - 3y = -23$

   Solution: _____

4. Solve the system: $2x + 5y = -30$ and $5x - 5y = 30$

   Solution: _____

5. Solve the system: $x + y = 4$ and $2x - y = -13$

   Solution: _____

6. Solve the system: $3x + 4y = 50$ and $4x - 4y = -8$

   Solution: _____

7. Solve the system: $2x + y = 0$ and $4x - y = -18$

   Solution: _____

8. Solve the system: $x + y = 11$ and $5x - y = 31$

   Solution: _____

9. Solve the system: $5x + 2y = 34$ and $x - 2y = 14$

   Solution: _____

10. Solve the system: $5x + 5y = 20$ and $2x - 5y = 8$

    Solution: _____

Name: **ANSWER KEY**

Solving Systems by Elimination A

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

1. Solve the system: 3x + 3y = 18 and 5x − 3y = 6

Solution: (3, 3)

2. Solve the system: 4x + 4y = 0 and 4x − 4y = −40

Solution: (−5, 5)

3. Solve the system: 3x + 3y = 27 and x − 3y = −23

Solution: (1, 8)

4. Solve the system: 2x + 5y = −30 and 5x − 5y = 30

Solution: (0, −6)

5. Solve the system: x + y = 4 and 2x − y = −13

Solution: (−3, 7)

6. Solve the system: 3x + 4y = 50 and 4x − 4y = −8

Solution: (6, 8)

7. Solve the system: 2x + y = 0 and 4x − y = −18

Solution: (−3, 6)

8. Solve the system: x + y = 11 and 5x − y = 31

Solution: (7, 4)

9. Solve the system: 5x + 2y = 34 and x − 2y = 14

Solution: (8, −3)

10. Solve the system: 5x + 5y = 20 and 2x − 5y = 8

Solution: (4, 0)