

Systems of Equations (Addition Method)

IA2

Name _____

Date _____ Period _____

Solve each system of equations using the addition method. Be sure to give the solution as an ordered pair. Show all work for credit.

1. $x + y = 5$ (,)
 $3x - y = 7$

2. $2x + y = 3$ (,)
 $-2x + 5y = -9$

3. $3x + 5y = 0$ (,)
 $2x - 5y = -25$

4. $-4x - y = -6$ (,)
 $4x + 3y = 18$

5. $2x - y = -5$ (,)
 $-2x - 5y = 11$

6. $8 = 4x - 3y$ (,)
 $17 = x + 3y$

7. $-6 = 3x + y$ (,)
 $10 = -5x - y$

8. $3x + 8y = -1$ (,)
 $-3x + y = -17$

9. $x + 2y = 15$ (,)
 $5x - 2y = 3$

10. $7x - y = 12$ (,)
 $-7x - 3y = 8$

11. $-3x + y = 13$ (,)
 $2x - y = -9$

12. $-4x - 7y = 12$ (,)
 $4x + y = 12$