

Name _____ Date _____ Period _____



SOLVING SYSTEMS BY ANY METHOD WORKSHEET

Directions: Solve each system by using any method of your choice. Write your solution as an ordered pair and check your work.

1.) $x = y - 3$
 $2x = 3y - 11$

2.) $a + 4b = 1$
 $2a + 7b = 6$

3.) $4x + 2y = 2$
 $2x + 2y = 4$

4.) $8x = 6y + 88$
 $2x + 2y = -6$

5.) $-4x + 8y = 24$
 $6x - 4y = -10$

6.) $4c + 5d = 14$
 $5d = 8c + 2$

7.) $2x - 3x = 6$
 $5x + 4y = 12$

8.) $2w - 3z = 8$
 $5w + 3z = 20$

9.) $9x + 2y = 2$
 $21x + 6y = 4$

10.) $x + y = 2$
 $8x + 8y = 16$

11.) $y - 2x = 1$
 $y - 3 = 2x$

12.) $y - \frac{1}{2}x = 2$
 $y = \frac{1}{2}x + 1$

13. A plane flew 2,100 km with the jet stream in 2.5 hours. The return flight against the jet stream took 3.75 hours. Find the speed of the jet stream and the airspeed of the plane.

14. The larger of two supplementary angles is 6 less than 5 times the smaller. Find the measure of the two angles.

15. Some coins (dimes and nickels) are in a pile. The total value of the pile is \$1.35. The number of nickels is one coin less than twice the number of dimes. Find the number of each type of coin.

16. The difference of two numbers is 3. Their sum is 14. find the two numbers.