

6-4 Skills Practice

Elimination Using Multiplication

Use elimination to solve each system of equations.

1. $x + y = -9$
 $5x - 2y = 32$

2. $3x + 2y = -9$
 $x - y = -13$

3. $2x + 5y = 3$
 $-x + 3y = -7$

4. $2x + y = 3$
 $-4x - 4y = -8$

5. $4x - 2y = -14$
 $3x - y = -8$

6. $2x + y = 0$
 $5x + 3y = 2$

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

8. $2x + 3y = 14$
 $3x - 4y = 4$

9. $2x - 3y = 21$
 $5x - 2y = 25$

10. $3x + 2y = -26$
 $4x - 5y = -4$

11. $3x - 6y = -3$
 $2x + 4y = 30$

12. $5x + 2y = -3$
 $3x + 3y = 9$

13. Two times a number plus three times another number equals 13. The sum of the two numbers is 7. What are the numbers?

14. Four times a number minus twice another number is -16 . The sum of the two numbers is -1 . Find the numbers.

15. **FUNDRAISING** Trisha and Byron are washing and vacuuming cars to raise money for a class trip. Trisha raised \$38 washing 5 cars and vacuuming 4 cars. Byron raised \$28 by washing 4 cars and vacuuming 2 cars. Find the amount they charged to wash a car and vacuum a car.

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