

Paper Practice 7.3

Elimination Using Addition and Subtraction

Use elimination to solve each system of equations.

1. $a + b = 8$
 $-a + b = -2$

2. $m - n = 11$
 $m + n = 3$

3. $5x + 2y = 18$
 $-5x + 3y = 2$

4. $5x + 2y = 1$
 $-5x + 6y = 63$

5. $3c - 2d = 5$
 $-5c + 2d = -3$

6. $6f - 4g = 18$
 $-6f + 5g = -12$

7. $3x + 5y = 19$
 $7x + 5y = 11$

8. $6x + 2y = 52$
 $6x - 5y = 59$

9. $4x + y = 18$
 $-4x + 3y = -2$

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10. The difference of twice a number and another number is 5. The sum of the two numbers is 19. Find the numbers.

11. The sum of twice a number and another number is 19. The difference of the two numbers is -4 . Find the numbers.

12. The difference of a number and three times another number is 1. The sum of the two numbers is 9. Find the numbers.