SOLVING LINEAR SYSTEMS BY SUBSTITUTION

#2

Solve the linear system by substitution.

1. 4x – y = -6 2. 2a + 4b = 10 3. –m + 5n = 16

 2x + y = 0 3a – b = 1 -2m + 3n = 4

4. y = x + 3 5. 4x + y = 9 6. 3x = 9

 3x – y = 5 y = -7 -2x + y = -8

7. x – 2y = -13 8. x – y = 10 9. 4x + y = 2

 y = -2x – 6 5x – y = -6 x – y = -17

10. -x + 3y = 4 11. 3x + 2y = 8 12. x – 5y = -3

 x + 6y = 14 x + 4y = -4 4x – 3y = 5

13. 2x + 5y = 4 14. x + 2y = -5 15. 3x – 2y = 4

 x + 5y = 7 4x – 3y = 2 x + 3y = 5

SOLVING LINEAR SYSTEMS BY SUBSTITUTION

#2

Solve the linear system by substitution.

1. 4x – y = -6 2. 2a + 4b = 10 3. –m + 5n = 16

 2x + y = 0 3a – b = 1 -2m + 3n = 4

4. y = x + 3 5. 4x + y = 9 6. 3x = 9

 3x – y = 5 y = -7 -2x + y = -8

7. x – 2y = -13 8. x – y = 10 9. 4x + y = 2

 y = -2x – 6 5x – y = -6 x – y = -17

10. -x + 3y = 4 11. 3x + 2y = 8 12. x – 5y = -3

 x + 6y = 14 x + 4y = -4 4x – 3y = 5

13. 2x + 5y = 4 14. x + 2y = -5 15. 3x – 2y = 4

 x + 5y = 7 4x – 3y = 2 x + 3y = 5