

An Introduction to Equations Assignment

Tell whether each equation is true, false, or open. Explain.

1. $4t + 6 = 10$

2. $14 - 7 = 27 - 21$

3. $-11 + 4 = -7 + 15$

Find the solution of each equation.

4. $-8x + 4 = 12$

5. $7 + (-5x) = -33$

6. $4x = 21 + x$

Use a table to find the solution of each equation.

7. $5x - 11 = 4$

8. $7x - 4 = 38$

9. $3x - 2 = -8$

Use a table to find two consecutive integers between which the solution lies.

10. $14x - 66 = 40$

11. $3x + 4 = 36$

12. $7x + 8 = 68$

Find the solution of each equation using a table. If the solution lies between two consecutive integers, identify those integers.

13. $2x + 13 = 24$

14. $x - 8 = 25$

15. $6x - 8 = 31$

16. $19 + 2x = 31$

Write an equation for each sentence.

17. The ratio of nine and a number y is equal to the square of a number x .

18. A number x more than seven is equal to the product of a number y and twenty.

19. The product of five and eight is equal to the product of twenty and a number y .

20. The sum of a number y and fourteen is negative six.