

Equations Review

Topics:

Solution = 0

No Solution

Infinite Solutions

Distributing a Negative

Fractional Answers

1. $-7t + 21 + 4t = 3(7 + t)$

2. $2q - 4 + 8q = 7q - 8 + 3q$

3. $3x - 5x + 30 = 20 - 2x + 10$

4. $12(c + 3) - 30 = 12c + 36$

5. $3(y + 4) - y = 12 - y$

6. $4(6a + 3) = 6(4a + 2)$

7. $8r - 29 = -29$

8. $4v + 13 = -v + 13$

9. $8x = 2$

10. $5 - 6x = 3(1 - 2x)$

11. $5 - (x - 6) = 10$

12. $7 = 14x$

13. $30 - 3(x - 7) = 15$

14. $3x - (x + 7) = 12$

15. $9 = 36x$

Answers:

1. $t = 0$
2. no solution
3. Infinite Solutions
4. no solution
5. $y = 0$
6. infinite solutions
7. $r = 0$
8. $v = 0$
9. $x = \frac{1}{4}$
10. no solution
11. $x = 1$
12. $x = \frac{1}{2}$
13. $x = 12$
14. $x = 9.5$
15. $x = \frac{1}{4}$