

Solve Linear Equations and Inequalities

Name: _____

Date: _____

- Solve for x : $0.6x + 1.5 = 3.9$
- Solve for x : $\frac{2}{3}x = -12$
- Solve for x : $\frac{2}{3}x - 1 = 5$
- Solve for x : $4(x - 2) - 3 = 9$
- What is the solution of the equation $3(x + 3) = 12$?
- Solve for x : $21 = 3(x + 2)$
- Solve for x : $5(2x - 4) = 10$
- Solve for x : $\frac{1}{16}x + \frac{1}{4} = \frac{1}{2}$
- In the equation $\frac{1}{4}n + 5 = 5\frac{1}{2}$, n is equal to what value?
- What is the value of p is the solution of $5p - 1 = 2p + 20$?
- What is the value of x in the equation $2(x - 4) = 4(2x + 1)$?
- What is the value of y in the equation $0.06y + 200 = 0.03y + 350$?
- What is the smallest whole number that satisfies the inequality $3x - 1 > 2$?
- What is the solution of $5x - 1 < 29$?
- What is the *greatest* whole number that satisfies the inequality $3x - 1 < 8$?
- What is the *smallest* integer that makes the inequality $2x + 3 > 5$ true?
- What is the solution to the inequality $2x > x + 7$?
- What is the solution to the inequality $3x + 2 > x + 8$?
- Which inequality is equivalent to $2x + 6 > 2$?
A. $x > -2$ B. $x < -2$ C. $x > 2$ D. $x < 2$
- What is the solution of $3(2m - 1) \leq 4m + 7$?
- What is the solution of the inequality $-6x - 17 \geq 8x + 25$?
- Solve: $-4 < -x < 12$
- Solve: $-6 < -2x < 14$
- Solve: $15 > -5x > -5$
- Solve: $-6 < x - 4 < 1$
- Solve: $|x + 4| = 0$
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- Solve: $|x - 3| = 5$
- Solve: $|\frac{1}{2}n + 4| = 12$
- Solve: $\frac{2x + 6}{9} + \frac{x + 2}{3} = \frac{2}{9}$
- Solve: $\frac{4x - 1}{3} + \frac{1 - x}{2} = \frac{7}{12}$
- Solve for x : $3x - 6 < 5x$
- Solve for x the inequality $4 - 3x \leq 12 + x$.