

Solving Equations

1. Solve the following equations:

(a) $3x + 5 = 2$

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(b) $4x - 5 = 2$

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(c) $4x = 50$

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(d) $\frac{2}{3}x = 12$

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(e) $2x + 3 = -6$

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(f) $\frac{x}{3} - 4 = 2$

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(g) $2(x + 3) = 10$

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(h) $3(x - 2) = 15$

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(i) $5x + 2 = 3x + 8$

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(j) $6x - 5 = 2x + 1$

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(k) $8x - 5 = 3x + 1$

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(l) $2(2x + 3) = 3(4x - 2)$

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(j) $\frac{x}{2} + 4 = \frac{x}{4} + 1$

(k) $\frac{x+2}{3} - \frac{x-1}{4} = 2$

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2. A number is multiplied by 5, and then 9 is subtracted. This gives an answer of 26. Find the number.

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3. The sum of three consecutive numbers is 219. Let the first number be x . Form and solve an equation in x to find the numbers.

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4. The sum of four consecutive odd numbers is 376. Let the first number be x . What is the largest of the four numbers? (form and solve an equation)

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