



A linear equation is an equation in one variable which can be written as ax+b=0. (standard form) a, b are real numbers and a≠0

① EXAMPLE:

Which of these are linear equations? Solve if possible. Check your answer.

a)
$$2x - 8 = 0$$

b)
$$3x^3 - x = 5x + 7$$

c)
$$3x + 2 + 2(x-6) = 5(x-2)$$
 d) $2x + 8 = 3x + 4 - x$

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2 EXAMPLE

Solve and check your solution

a)
$$-2(x+3) = 9 - 5x$$

b)
$$\frac{3}{4}(6-x) = \frac{1}{3}(4x+5) + 2$$

c)
$$0.2(8-x) = 0.3x + 4$$