

Two – Step Equations

$$a(x + b) = c$$

Name: _____

Date: _____

Learning Goal 6.1

I can solve linear equations.

The Distributive Property

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To solve a **two – step equation**

1.

2.

Example Solve the following by applying the opposite operation. Check your answer.

a. $3(x + 2 = 9)$

b. $2(x - 3) = -12$

LS	RS

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$$a(x + b) = c$$

c. $48 = -4(x + 2)$

d. $20 = -4(3 - x)$

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LS	RS

Example Dwayne buys another car, so he decides to increase the size of his driveway. He wants to increase the width by 3 metres but keeps the length at 6 metres. The area of his new driveway is 54 square metres. How wide was his original driveway? Define your variable, set up an algebraic equation and solve.