

Algebra Worksheets

Solve each equation. Use substitution to check your answers.

a) $b + 9 = 15$

b) $12 = 8 + c$

c) $d - 5 = 7$

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Solve each equation. Use substitution to check your answers.

a) $b + 9 = 15$

$$b + 9 = 15$$

$$b + 9 - 9 = 15 - 9$$

$$b = 6$$

Check: $6 + 9 - 9 = 15 - 9$; $6 = 6$.

b) $12 = 8 + c$

$$12 = 8 + c$$

$$12 - 8 = 8 + c - 8$$

$$4 = c$$

Check: $12 - 8 = 8 + 4 - 8$; $4 = 4$.

c) $d - 5 = 7$

$$d - 5 = 7$$

$$d - 5 + 5 = 7 + 5$$

$$d = 12$$

Check: $12 - 5 + 5 = 7 + 5$; $12 = 12$.

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