

11/19

C3 3.2.2

can determine the number of solutions  
possible when solving for a variable.

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## Types of solutions

Type 1: one solution

$$x = 3$$

when you solve for a variable and  
it equals a value

Type 2: no solution

$$-4 = 6$$

when you solve and have DIFFERENT  
values on both sides

Type 3: all solutions

$$2 = 2$$

when you solve and have the SAME  
values on both sides