1-8 Solving Addition and Subtraction Equations

Solve - find the value of the variable to make the equation true.

Solutions - the value that makes the variable true in the equation.

Subtraction Property of Equality subtract the same # from both sides of the equal sign!

$$\begin{array}{c} x + 3 = 3 \\ -5 -5 \\ x = -2 \end{array}$$

$$\begin{array}{c} Dolunto \\ +5 -5 \\ \end{array}$$

$$\begin{array}{c} -2 + 5 = 3 \\ \sqrt{3} = 3 \\ \end{array}$$

$$\begin{array}{c} balances \\ \end{array}$$

$$a + k = 2$$
 -6
 -6
 $a = -4$
Do | lindo
 $a = -4$

$$y + 3 = -8$$
 -3
 $y = -11$
 $y = -11$

$$-5 = n + 4$$

$$-4 + 4 - 4$$

$$1 = 0$$
Isolate the variable

Inverse Operations

verse Undo

example: +4 +2 -3 × 6

-4 -2 +3 ÷ 6

Addition Prop of Equality

add the same # to both sides)

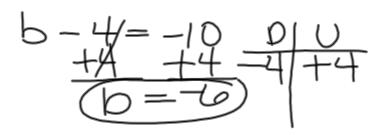
$$-6 = y - 7$$

$$+7$$

$$1 = y$$

$$-7$$

$$+7$$



7= p-12 -10/undo +12 -12/+12

$$\frac{-18}{-25} = n + 25$$

$$\frac{-25}{-43} = n$$

$$\frac{-35}{-43} = n$$

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even #D

Show the do Jundo chart.

Show your work.

22.)
$$r - (-8) = 14$$

simplify $r + 8 = 14$
the problem $-8 - 8 + 8 - 8$
 $r = 6$