

1. Subtracting a sum: $a - (b + c) = a - b - c$

$$55 - (a + 5) = \underline{\hspace{2cm}}$$

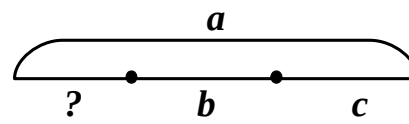
$$21 - 2 \cdot (x + 1) = \underline{\hspace{2cm}}$$

$$2x - (y + x) = \underline{\hspace{2cm}}$$

$$x - (3 + y) = \underline{\hspace{2cm}}$$

$$21 - 2 \cdot (x - 1) = \underline{\hspace{2cm}}$$

$$2x - (y - x) = \underline{\hspace{2cm}}$$

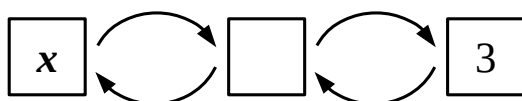


2. Simplify and solve the equation:

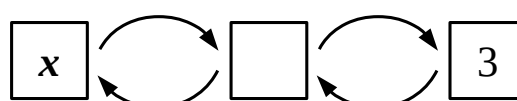
$$2x + 2 \times (3x - 1) = 2$$

Negative coefficients in equations $ax + b = c$:

3. Analyze and undo operations in the following equations:



$$12 - x = 3$$



$$12 - 6x = 3$$

4. An old robot can pack 20 boxes in an hour. A newer model can pack 30 boxes in the same time. How long will it take the two robots to pack 300 boxes if they work together?

Review Circle:

*A circle is a set of **all** points located on a given distance (**radius**) from its center!*

5. Construct appropriate circles to answer the questions.

Plot $q = \text{Circ}(X, 5)$

Compare:

$$|AX| \square 5$$

$$|BX| \square 5$$

$$|CX| \square 5$$

$$|DX| \square 5$$

Find all points of the circle q located on the same distance from point A as point X .

