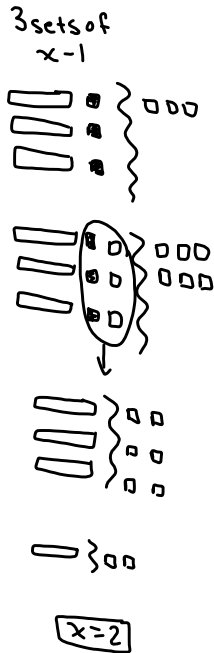


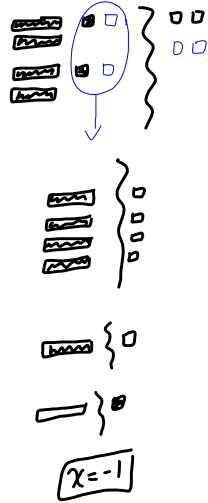
Solving Equations of the form: $a(x+b) = c$

Solve using ALGEBRA TILES

ex(1): $3(x-1) = 3$

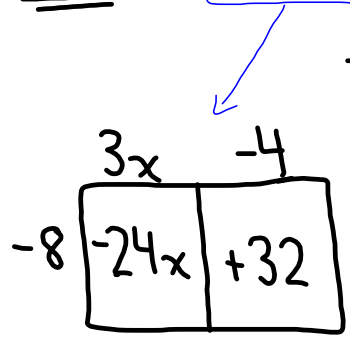


ex(2): $2(-2x-1) = 2$



Solve using Rectangle Method:

ex(3): $-8(3x-4) = -16$



$$-24x + 32 = -16$$

$$\begin{array}{r} -24x + 32 = -16 \\ -32 \quad -32 \\ \hline -24x = -48 \\ -24 \quad -24 \\ \hline x = 2 \end{array}$$

$x=2$

Solve using ALGEBRA:

ex(4): $-5(-3x + 7) = 85$

$$15x - 35 = 85$$

~~35~~ ~~35~~

$$\frac{15x}{15} = \frac{120}{15}$$

$$\boxed{x = 8}$$

ex(5): $4(-6x - 2) = -56$

$$-24x - 8 = -56$$

~~8~~ ~~8~~

$$\frac{-24x}{-24} = \frac{-48}{-24}$$

Check:

$$4(-6 \times 2 - 2) \stackrel{?}{=} -56 \quad \boxed{x = 2}$$

$$4(-12 - 2)$$

$$4(-14)$$

$$-56$$

