

Solving for X Using 2 or 3 steps ^{9/24}

Goal: get x alone + positive

Steps: 1) Draw the River straight through

2) On the side of the river that has the X:

- Distribute if necessary
- Get rid of #'s that are adding or subtracting to the x → do the opposite
- Get rid of #'s that are multiplying or dividing to the x → do the opposite

1 $2x + 1 = 7$

2. $4x - 2 = 6$

3 $-51 = -12x - 3$

4. $14 = 11x + 3$

5 $-6 + 8x = -38$

6. $-3 - 6x = -45$

7 $2(x + 7) = 28$

8. $-5(1 + 2n) = 15$

9 $20 = -4(3a - 2)$

10. $\frac{1}{3}(9x - 3) = -10$