## Lesson #16

#### Solving inequalities step by step

### **Individual Practice**

Firstly, during yesterday's video of lesson #15, Grace found a mistake! I forgot the x on the right side of the inequality. Here is the correction:

#### p.56 in your notebooks, question g

Today, there are 16 inequalities below that you are going to solve. Please make sure to show all your work. When you have finished, correct your answers with mine.

# QUESTIONS:

- a) x+2 < 6, x +R
- b) x-3 < 4, x < R
- c) 2x>-12, xER
- d) x >6, x + Z
- e) -3a+5a <4,xtR
- f) 4c+3c+7621, &ER
- g) 3a >a+4, a+z
- h) 7v-4v>v-10, vER
- i) 5a+3a <4a-2, a <R j) 7c-4c < c+6, ( <R
- K) 2(a+1) >4, a ER 1) 2(3C+4) >14, C EZ
- m) 2(x+1) < (x-2)+1, x+R n) 5(2x-3) < 2(x+7)+11, x+R
- 0) n -4>-8, nER p) 545-1, CER



