8.4 Solving Linear Equations with Variables on Both Sides December-04-13 12:57 PM Solve: 3x - 5 = 2x + 2 + 3x on both sides !! STEP1: Simplify each side STEP2: group variables on I side, numbers on the other using addition and subtraction STEP 3: simplify again if needed STEP 4: group variables on 1 side, #is on the other using clivision 反刑 (b.) 6x + 15 = 2x + 7 -15 = -15 6x = 2x - 8 -2x = -8 -2x = -8 -2x = -8 -15 = -8 -2x = -8 -15 = -8 -2x = -8 -15 = -8 $\frac{4x}{+3x} \stackrel{!}{=} \frac{63 - 3x}{+3x}$ $\frac{4x}{+3x} \stackrel{!}{=} \frac{63}{-3x}$ (0.)EX.#2 <u>X x² 3x x³</u> (Q.) - make them all common denominators. 3×2 2,15 -simplify -group variables using +1--simplify

 $+\frac{bx}{b}$ -simplify -group variables on 1 side / #45 IXT pg. 327 #6-14, 26-30