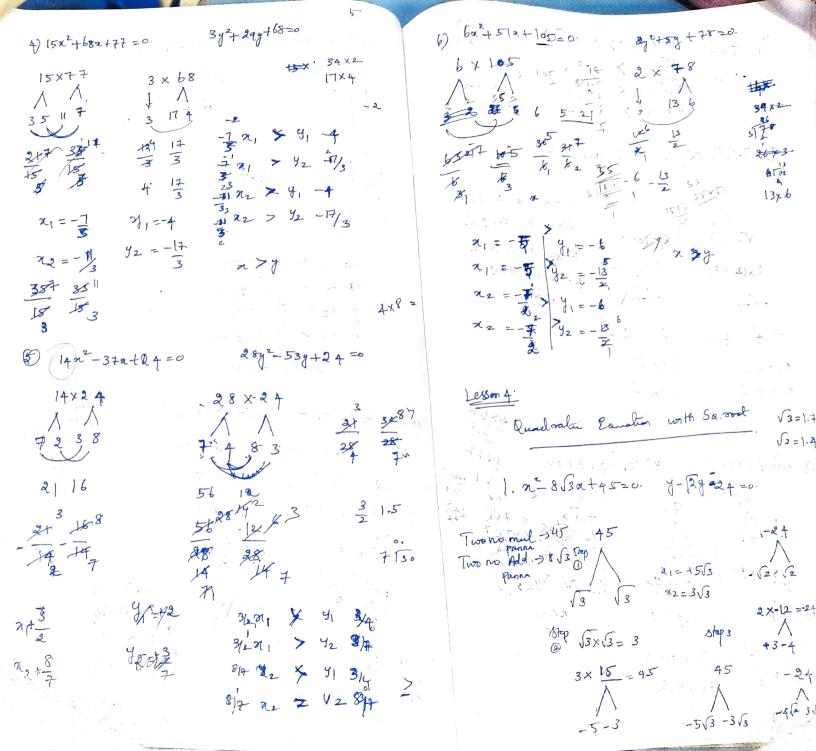
Cerson-3: Eaualins & Topic IV) Obyviletu durnos r long divisios luson 1 ; If a evalin start with x3 1st Three major Is need to know to Solve this Solve the problem by using anyone with problems on this topic. Sognithatin (as) long \* What type of Eswation \* Howtslampare X & Y 423+3x2+2x+1 \* Find Answa. (atz) \* what type of Equation: V) Quider Indius: (i) alabratu esuation: The = 2+112+28 =0 g2+7y+10=0  $\frac{9}{\sqrt{n}} + \frac{10}{\sqrt{n}} = \sqrt{2}$ If there is a constant in a given equation. & \* How to Compare? The equation is Quadratu Equation. 2 = 519 x= 95 Type = 32+13×12=0 +y-15y+14=0. 11) Quadrentic equation based on Somesnot: 21 35 4 21 × 91 9 2=9 4=37 32-8/3x+45=0 y= Juy-24=0. 4212428 9 23 63 < 21 111) Simultaneons Countin: 5 x 2 < 429 5 x2 < yes If there is a equation with not like 1 pattonin (compare) Quadratii equation 21 9, x = 5  $y_1 = 915$   $x_1 = 5 < 9$  y = 915  $x_2 = 5$ 2n + 5y = 6 . 3x + 11y = 8. N2 42 y=9 4 <9

13/8/24

his he ge with constant \* final Answer e) xzy d) x = y e) x = y a) any b) alg xxy -7>7 28 -7>9 8+5=13 7/4-11 -7=+7 -74-5 5>4 5 > 3 d) xzy A: a) 22>y A: d) 2 54 x2 =-4 -7 < 7 A:-b)x <y -4 < -3 -5 N/M Y/-b a) a & y does not exist - 中 スノフダリンし 767K14 +B 71274 41-6 22> # 92b xx+3x-28=0 y=11g+280=0 n = y

Before no ye Type ? -,80° +3/2121 2y=- 9y+10=0. 592+ My-36=0 5x2+ 3x-14=0 8×21 = 168 5 x - 36 = 15,0 5x14 = -70 1. x+ = 70 -9-4 5 x-14 = 10, 5170 10×7-0 n=3 2 =7 7/5 who Longen es downstand 22 = -2 b) neg x, × < 42 -2 9/2 < 41 -8 X12'9, 2 2 x2 < y2 Ne < 91 2 74 7/4 1/2 = 42 7/4



5/3 2, -> 4, 4/2 Letton # 5 5/3 a, > 92-3/2 36 x2 < 4 4 2 ox does not 3/3 n=> 92-3/2 Q 2-7/20 +24 =0 y-5/2 y+12=0 9/2 x1 = 4/ 3/6 ye 2 /2 V2 V2 M2 x > 3/3/2  $2 \times b = 12$  12 -3-22 x 12 = 2+ 45202 > 42202 -3/2 -2/2 -3/2 -4/2  $y_1 = 3\sqrt{2}$ 21 = 3/2 y2=2 52 22= 4/2 3 x- 7/32+56=0 y2-12/2y+70=0 4/3 a, < 4, +/2 3x12=\$6 2 x 35 = 70 3/3 92 425/2 21 = +7/2 X1=3/3 Pta - 5/2

Dimultaneous Equation 7x-3y=130 5a+4y=40@ 2× 0 = 28 x - 12y = 52 172 3× 2 3 15n+12y =120 2241 2=4 is 3 7(4)-34= 13 28 - 3y = 1328-13=34 9=5 271 + 29 = 6 5x+11y=9 2(1)+5(4)=6 Dx5 lon+25y=30 5x2 10x +22y=18 3y = 129=9 xLy

 $\frac{1^{2}}{\sqrt{a}} - \frac{ab}{\sqrt{a}} = 5\sqrt{a}$   $\frac{\sqrt{a}}{\sqrt{a}} - \frac{5\sqrt{a}}{\sqrt{a}} = \frac{1}{\sqrt{a}}$ levon #6 Jurds or is dies  $\frac{-4\sqrt{y}}{\sqrt{x}} = \frac{1}{\sqrt{y}}$ A formula: amxan = a mth (am)n = amn -4y = 12 y = 12 y = 7 x = -11 y = -3 $a^{m} \times b^{m} = (ab)^{m}$ (axb)  $a^{m} = b^{n} = a^{m-n}$ y 1/4 x y 1/4 x 7= 273 = y 1/2 (\*\* = 169 = 2 3/5 7/15 169 1 1/15 9 \$ 169 1 1/15  $\frac{2m}{\chi^2 = 25} - y = \sqrt{25}$  $y = \sqrt{25}$  y = 5  $x = \sqrt{5}$   $x = \sqrt{5}$ 715 315 X X X = 169 x 9 ~ = =  $\frac{9}{\sqrt{n}} + \frac{19}{\sqrt{n}} = \sqrt{x} \qquad \frac{9^{5}}{1} - \frac{(14 \times 2)^{31/2}}{\sqrt{9}} = 0$ gt = 15-1 169×9 x 2= +52 | 61×9 y 5 Ty - (14 x2) 1/2 = 0 9+19 = 52 Va oc = \$ 169×9 39 21 = 5169 × 59 y 5 g/2 (28) 1/2 = 0 28 = /2 y 1/2 = 273
y1/2 y 1/2 37 7 273 4 273 4 273 x=43x3 Va.  $y^{5}y^{1/2} - (28)^{1/2} = 0$  x = y2=539 28=(2)2 2=±39 Jy x Jy = .63 n=28 541/2 y=28 9-53 10+1 (28)1/2