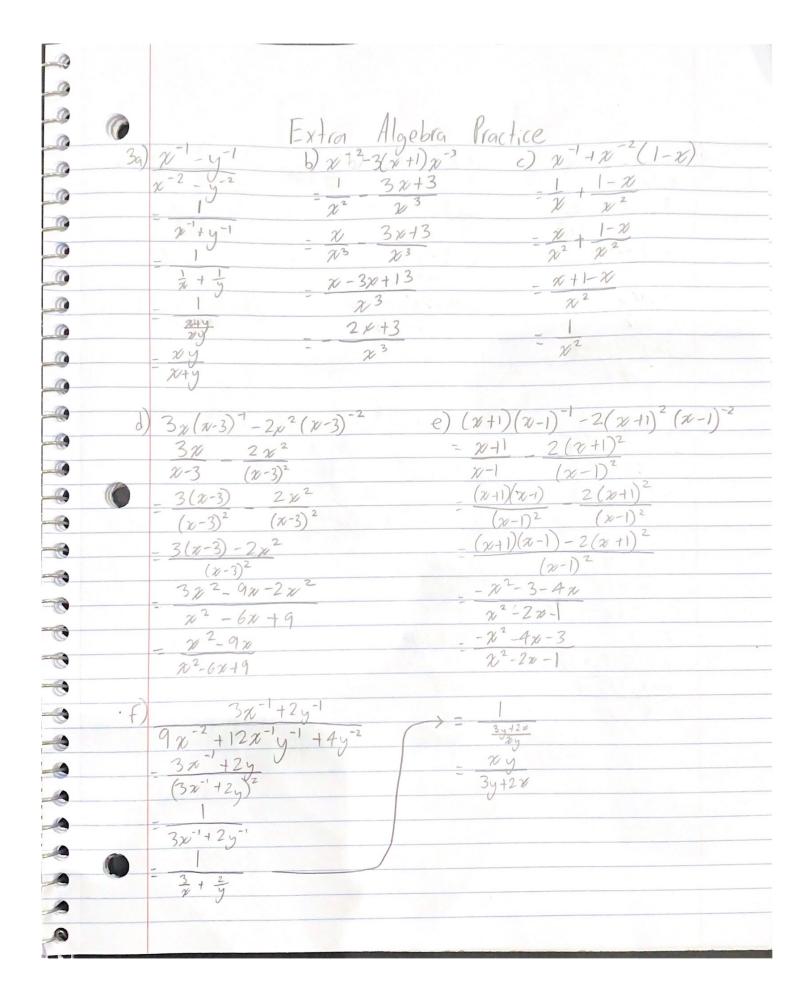
-0	Lesson 3
2 0	
	Extra Algebra Pratice
19)	======================================
	2t+18 5t+35 = 3t+9 + t
	3
	(3t+72)-(10t+70)=(9t+27)+(4t)
	8t +72-10t-70 =9t+27+4t
	-15f = 25
9	t = -13
	And the second of the second o
b)	$\frac{1}{\chi+2}$ $\frac{2}{\chi-2}$ $\frac{3}{\chi+3}$ $\chi \neq -2, 2, 3$
	$\frac{1}{x+2} + \frac{2}{x-2} + \frac{3}{x+3} = 0$
	(x-2)(x+3)+2(x+2)(x+3)-3(x+2)(x-2)=0
	$(\pi+2)(\pi-2)(\pi+3)$
-9	1(n-2)(n+3) + 2(n+2)(n+3) - 3(n+2)(n-2) = 0
	$\frac{x^{2}+3x-2x-6+2x^{2}+6x+4x+12-3x+12}{ x+1 _{2}}=0$
	$11\% = -1\%$ $2\% = -1\frac{7}{11}$
	p = (
()	$\frac{m+3}{m-1} = \frac{2m+1}{m-3}$ $m \neq 1, 3$
-	$\frac{m+3}{m-1}$, $\frac{m+1}{m-3}$ = 2
	(m-1)(m-3)+(m+1)(m-1)=
	(m+3)(m-3)+(m+1)(m-1)=2 (m-1)(m-3) $2m^2-10$ (m-1)(m-3)=2
	2 m2 - 10
	(m-1)(m-3) - 2
	$2m^2-10 = 2(m-1)(m-3)$
	$2m^2-10 = 2(m-1)(m-3)$ $2m^2-10 = 2m^2-6m-2m+6$
0	-10 = -9m + 6
	8 m = 16
	m=2

Lesgon 3		0
		0
	Ela III Partico	9
11)	Extra Algebra Praetice	8
10)	$\frac{3x-2}{x-2} = 6 = x-5$	-
	N L N S	8
	$\frac{3\chi - 2}{\chi - 2} = \frac{\chi - 5}{\chi - 3} = 0 \qquad \chi \neq 2,3$	0
	(3x-2)(x-3)-6(x-2)(x-3)-(4-5)(x-2)=0	0
	$(\chi-2)(\chi-3) - 6(\chi-2)(\chi-3)$	8
	$(3\psi-2)(\psi-3) - 6(\psi-2)(\psi-3) - (\chi-5)(\psi-2) = 0$	8
	$3x^{2}-2x-9x+6-6x^{2}+18x+12x-36-x^{2}+7x-10=0$	9
	$-4 x^2 + 26x - 40 = 0$	6
	$2x^{2}-13x+20=0$	0
	$(2\nu-5)(\nu-4)=0$	- 6
		0
	$N_1 = 2\frac{1}{2}$	6
	$\mathcal{X}_2 = 4$	
29)		
	$\pi - 1$ $\pi - 2$ $\pi - 2$ $\pi - 3\pi + 2$ $2\pi - 1$ $4\pi + 5$ $8\pi^2 + 6\pi - 5$	
	$\frac{A(x-2)+B(x-1)}{(x-1)(x-2)} = \frac{2x-5}{(x-1)(x-2)} = \frac{A(4x+5)-B(2x-1)}{(2x-1)(4x+5)} = \frac{14x+28}{(2x-1)(4x+5)}$	•
	A(x-2)+B(x-1) = 2x-5 $A(4x+5)-B(2x-1)=14x+78$	
	Ax - 2A + Bx - B = 2x - 5 $4Ax + 5A - 2Bx + B = 14x + 2B$	
	TIN ZII CON O - CN S III CON CONTRACTOR OF C	4
	A+B=2 $3+B=2$ $4A-2B=14$ $4(6)-2B=1$	4
-	2A - B = -5 $B = -1$ $5A + B = 26$ $20 - 28 - 1$	14
	-A = -3 $+A - 2B = 14$ $-ZB = 1$	-6
	A = -3 $A = -3$ A	
16, 164	14A =70	
	:. A=3, B=-1. A=5	-
	i, A=5, B=3	
		•
		4



9 3-2× 25×	h) 15-3x + N	i) $3x^2 + \sqrt{x^2 - 2}$
4/2	15-34	
_ 3-21/ 820	5-3×+X	$\frac{-3x^2+x^2-2}{\sqrt{x^2-2}}$
4/2 4/2	J5-3×	Jw - 2
- 3-2x-8x	- 5-2x - V5-3x	$-\frac{4 \pi^2 - 2}{\sqrt{x^2 - 2}}$
4170	V5-31/	12-2
_ 3-10%	- (5-2x) J5-3x	$= \frac{(4x^2-2)2\sqrt{x^2-2}}{\sqrt{x^2-2}}$
- 4 TX - Ja (3-10x)	5-32	1/2
- Jx (3-10x)		714
47		
i) 12+x + 3x	$(x)(x+2)^{\frac{1}{2}}-(2x-$	1)(2+2)-2
4 12+2	20-3	Automotive to the second
2+%	$-(x+2)^2-(2x+1)x$	(x42) 12
4(2+2)+3	$\chi -3$	
4/2+2	$= (2 + 2)^{2} + \frac{2 + 1}{(2 + 2)^{2}}$	
2+20	20-3	
8+72	20+3	
= A \(\frac{1}{2} + \pi \)	1x+2) 2 x-3	
2+%	$=\frac{1}{(x+2)^{\frac{1}{2}}}$	
- G+7x	()/12/	
4 /2+w (2+x)	= \sqrt{3\text{y+2}}	
4(2+x)2	- J 7V+2	5 - 2 - 2 - 2
100/0)	2+2	

	Extra Algebra Practice
4	a) $\sqrt{6+\sqrt{5}}$ $\sqrt{6+\sqrt{5}}$ $\sqrt{3}+2$ $\sqrt{3}+2$ $\sqrt{3}+2$
-0	10 10
	6-5 3-4
0	J6+J5 _ J3+2
	= √6 + √5 = -√3 - 2
-9	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
-9	$9+\sqrt{9-2}$ $9-\sqrt{9-2}$ $2\sqrt{6}-\sqrt{7}$ $2\sqrt{6}+\sqrt{7}$ $-2\sqrt{6}+\sqrt{7}$ $-2\sqrt{6}+\sqrt{7}$
-	$a^2 - (q-2)$ $4J - F$
-0	$=\frac{q^{2}-\sqrt{q^{2}-q^{2}$
-	9-972
5	$\frac{1}{t-6} = \frac{\sqrt{t-5}+1}{\sqrt{x+1}+1} = \frac{\sqrt{x+1}+1}{\sqrt{x+1}+1}$
	t-6 $x+1-1$ $x+1-1$
-0	$= \frac{(t-6)(\sqrt{t-5}+1)}{2(\sqrt{t}(t-1)+1)}$
0	$\frac{1}{(t-6)(t-5+1)} = \frac{20}{20(\sqrt{2}+1)+1}$
0	$(f \circ J k - 5 + 1)$
•	JE-5+1 JRHI +1
	36+3-3 Dur 13 DJ4+h-2 J4+h+2
C)	$\frac{13g+3-3}{g-2}$ $\frac{3g+3+3}{\sqrt{8g+3}+3}$ $\frac{3}{h}$ $\frac{4+h+2}{\sqrt{4+h+2}}$
-	-3g-6 $=4+h-4$
	g-2(h(J4+h+2)
	(g-2)(13+3+3) / (H+h+2)
	3
9	J3y+3+3 A+h+2
3	