Quadratic Equation

only one type of Dariable

Power of Jariable 2/4/6/8/10.

$$a\chi^{2}+b\chi+c=0$$

~ abc - No/constants

$$4)3\chi^{2}_{+17}\chi = 24$$

 $3\chi^{2}_{+17}\chi - 24=0$
 $\alpha = 3 b = 17 c = -24$

$$) \chi + 7\chi + 12 = 0$$

 $a = 1 b = 7 C = 12$

2)
$$\chi^2 + 7\chi = 0$$

 $\alpha = 1$ $b = 7$ (=0)

3)
$$\chi^2_{-25} = 0$$
 (=-25) $\alpha = 1$ $b = 0$

35=0
2)
$$\chi^{2}+15\chi+56=0$$
2 C=35
$$\frac{7}{8} = \frac{7}{8} = \frac{$$

3)
$$|x^{2}+|4x+48=0$$

 $|x^{2}+6x+8x+48=0$
 $|x(x+6)+8(x+6)=0$
 $|x+6|+8(x+6)=0$
 $|x+6|=0/x+8=0$
 $|x=-6|/x=-8$
 $|x=-6|/x=-8$

1)
$$\chi^{2} + 12\chi + 20 = 0$$

2) $\chi^{2} + 13\chi + 42 = 0$
3) $\chi^{2} + 14\chi + 40 = 0$
4) $\chi^{2} + 18\chi + 45 = 0$
15) $\chi^{2} + 19\chi + 78 = 0$
13 6 $\chi = -13/-6$

6)
$$\chi^{2}$$
 | 6) | +55=0
-11 -5 | χ =11/5
7) χ^{2} | (4) \(+2\frac{1}{2} \)
 $= -12$ -2 | χ =12/2
8) χ^{2} -2 \(\text{ -48} = 0 \)
 $= -8$ 6 | χ =8/6
9) χ^{2} +3 \(\text{ -40} = 0 \)
 $= -8$ 6 | χ =-8/5
10) χ^{2} +4 \(\text{ -60} = 0 \)
 $= -6$ | χ =-10/6

$$1)x^{2}+12x+35=0$$
 $2)x^{2}-12x+35=0$ $3)$
 $2-3/5$ $2-3/5$

$$3)\chi^{2}_{+2}\chi_{-35}=0$$
 $\chi=-3/5$

Sign Table for avodratic Equation							
~	6		-FOCTORS		Rasts		
			Longest	smalled [1000/08+	smallest	
1)	+	+	+	+			
2)		+			-	+	
3)	+		+			+	
4)				+	+		

