Leepne 11/8/23

Zero factor Principle: For numbers a, b it

ab =0 then a=0 or b=0

Similarly it

(x-a) (x-d) =0 then x-c=0 or x-d=0 Sc X=c or X=d

Ex: Sum: 17(x+7)(x+3) = 0

17 = 0 can't happen

x+7=0 = 7 x=-7

 $x+3 > 0 = 7 |x_2-3|$

Solutions: X=-7 or X=-3.

New lot combine this wil wheat we exercise on minday.

Ex. Solve 952-185 =0

1) Freter as(\$\$-2) =0

95=0 or 75=2 5=0 or 5=2



	•	$8x^2+2x=15$ cything on Some $8x^2+2x-15$		
heck - Sugn - on - orner factor.	1/20 2.60 3.40 1.30 5.24 8.20 8.20 1.2 1.7 (-10)	by ac-meth $a \cdot c = -120$ (1+120) = 121 2+60 = 62 3+40 = 43 24+30 = 34 5+24=39 10+(-12) = -2 12+(-10) = 2	$8x^{2} + 2$ $= 8x^{2} + 1$ $= 4x(x)$ $= 4x - 1$	Figure (kns.) $(x-1)^{-1}$ $(x-1)^{-1}$ $(x+3)^{-1}$