On.2 BOARD PROBLEMS GRAPH. (2) $y = \begin{cases} x^2 + 1 & \text{for } x < -1 \\ x - 3 & \text{for } x > -1 \end{cases}$ WHAT POINTS WOULD YOU ADD TO REMOVE THE DISCONTINUITIES? 3) write in standard form. $y = -\frac{1}{2}(x+3)^2 - 5$

	Ch. 2 - Line	es, Parabolas, 0	Circles, Ellipses			
	LINES					
	Elives					
	SLOPE - 1	NTERCEPT	FORM:			
		STANDARD	FORM:			
	POIN	T- SLOPE F				
		Y INTERCEPT				
Ex. 1	χ + γ =	= 3				
EX.2	2×+3	y = 6				
				1		
			Ì			
EX.3	-2x +	3y = 12		Y		
			< -			

	PARABOLAS	PARENT FUNCTION	
		y=	x ²
HOW TO	IDENTIFY PARABOLI		
EQUATIO	NS?		
STA NDARD	FORM:		
VERTEX	FORM:		
EX. 4	GRAPH X2-4x-1	By - 20 = 0	
			
		V	
EX. 5		WILL BARRIO	
[E &. 9]	EXAMPLE OF RIE	HT/LEFT PARABOLA	
$X = 3y^2 -$	- Gy +7 → CHANGE TO VE	CTEX FORM.	
		THIS EQUATION TO MAKE	- JHT
PARA E	BOLA OPEN LEFT		

CIRCLES
WHAT IS THE GRAPHING FORM OF A CIRCLE?
WHERE THE CENTER IS:
AND THE RADIUS IS:
FIND THE CENTER AND RADIUS AND DRAW A GRAPH.
$x^2 + y^2 - 8y + 4x - 5 = 0$

ELLIPSES

$$y = \sqrt{4-x^2} \quad \text{First write excusions for x.}$$

ELLIPSES

$$\frac{(x-h)^2}{\alpha^2} + \frac{(y-k)^2}{b^2} = 1$$

with extremittes:

() ()

Ex. 8

$$qx^2 + 16y^2 = 144$$

YEX. 9

$$4x^2 + 25y^2 = 100$$

