## Precalculus



Find the vertex, focus, and directrix of the parabola given by  $x^2 - 2x - 16y - 31 = 0$ .

Graph  $(x - 1)^2 = 16(y + 2)$ 

			,			

Writ	e th	ne st	tan	dar	d fo	orm	of	the	equ	ıati	on
					1						
-											^
					١	1					