

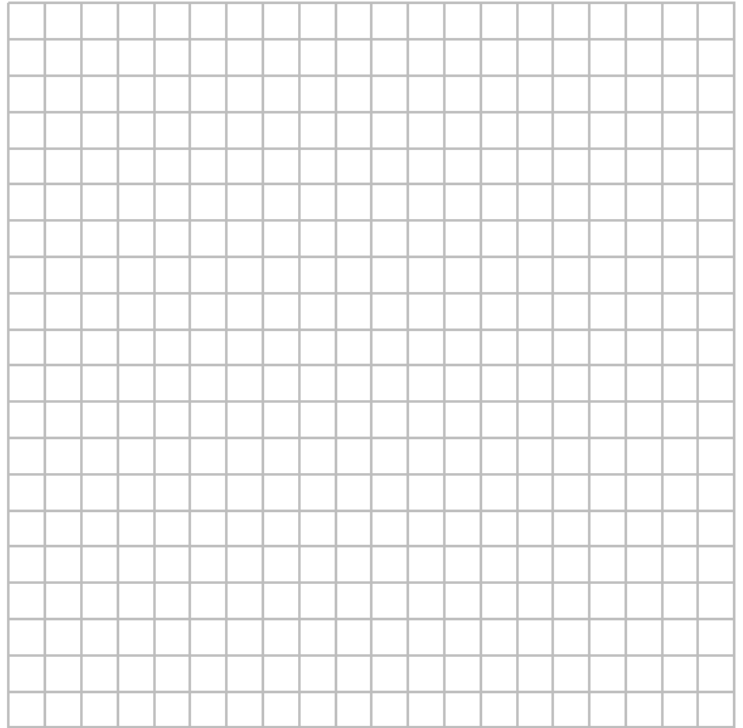
# The Ellipse

1. a. Sketch the graph of

$$\frac{x^2}{25} + \frac{y^2}{4} = 1.$$

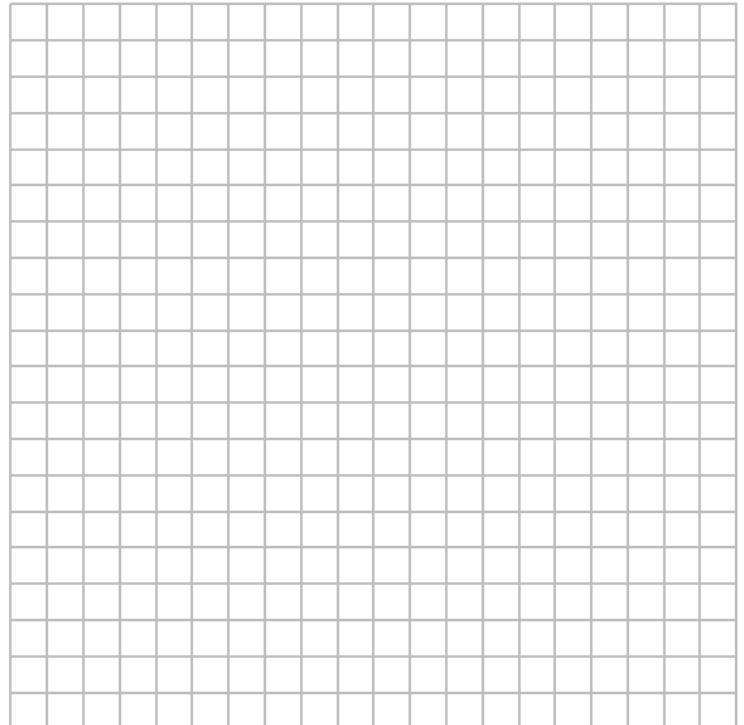
- b. On the same set of axes, sketch the graph of

$$\frac{(x-3)^2}{25} + \frac{(y+1)^2}{4} = 1.$$



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2. Sketch the graph of  $\frac{(x+4)^2}{9} + \frac{(y-2)^2}{36} = 1.$

Center:	
Length of Major Axis:	
Length of Minor Axis:	
Domain:	
Range:	



3. Sketch the graph of

$$16(x - 2)^2 + 9(y + 3)^2 = 144 .$$

Center:	
Length of Major Axis:	
Length of Minor Axis:	
Domain:	
Range:	

