

Graphing ellipses

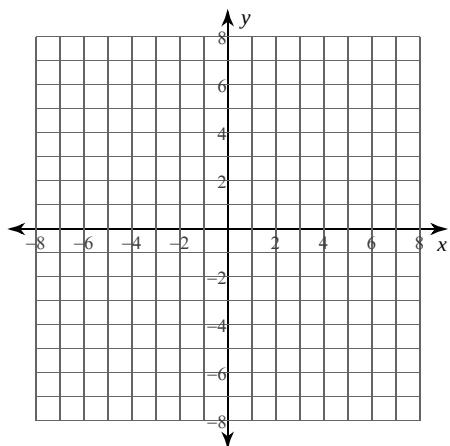
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Name _____

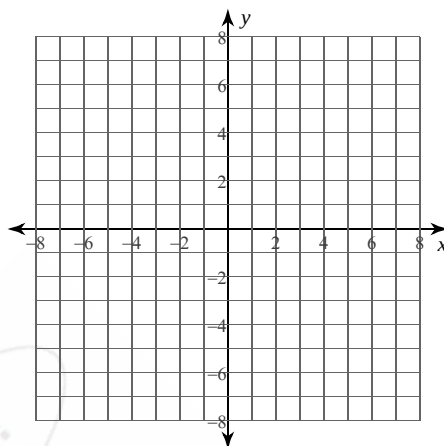
Date _____

Identify the vertices and foci of each. Then sketch the graph.

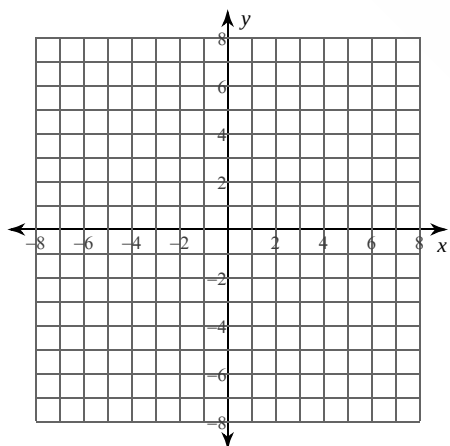
1) $\frac{x^2}{9} + \frac{y^2}{16} = 1$



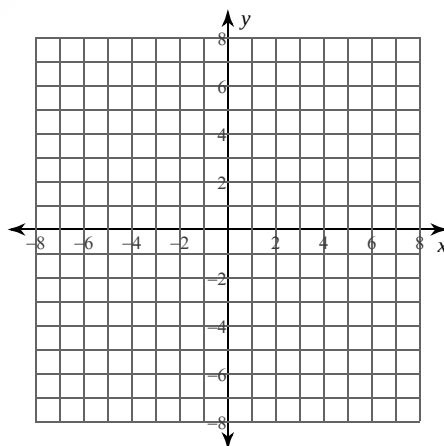
2) $\frac{x^2}{45} + \frac{y^2}{20} = 1$



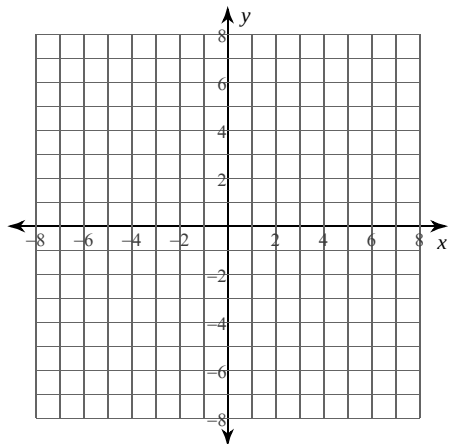
3) $\frac{x^2}{4} + \frac{y^2}{36} = 1$



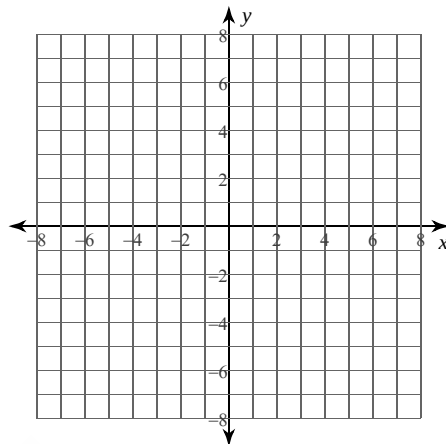
4) $\frac{x^2}{36} + \frac{y^2}{9} = 1$



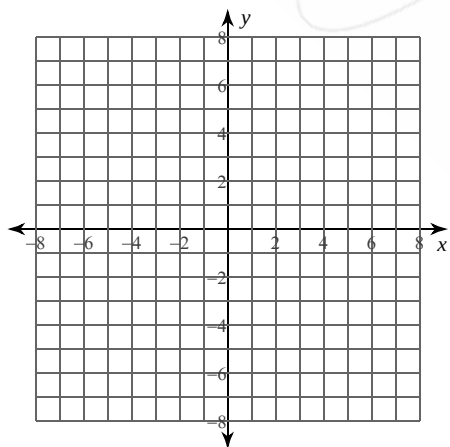
$$5) \frac{(x-1)^2}{36} + \frac{(y-3)^2}{4} = 1$$



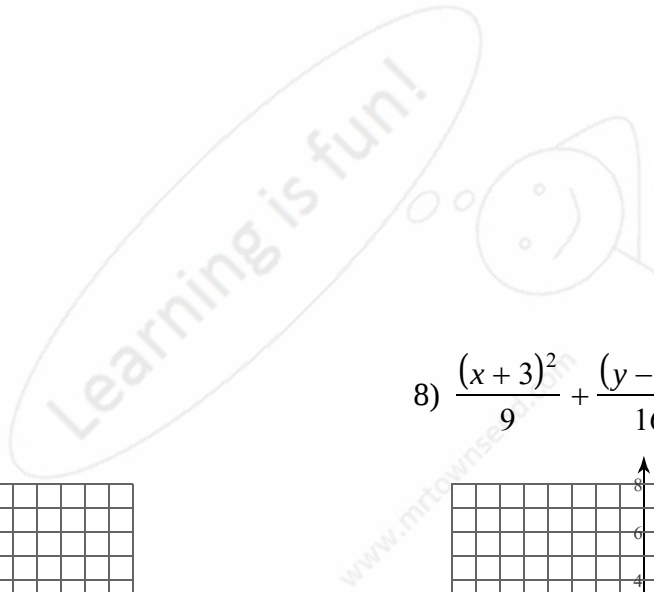
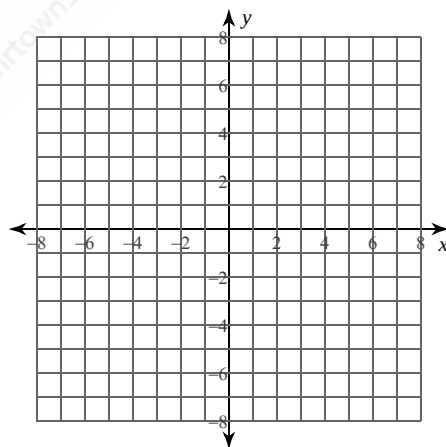
$$6) \frac{(x+2)^2}{25} + \frac{y^2}{49} = 1$$



$$7) \frac{x^2}{45} + \frac{(y+2)^2}{20} = 1$$

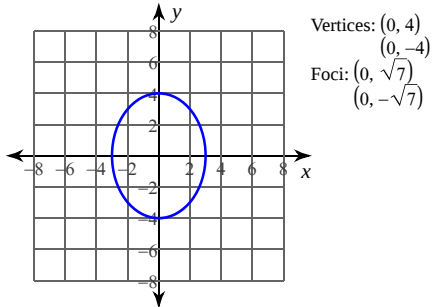


$$8) \frac{(x+3)^2}{9} + \frac{(y-2)^2}{16} = 1$$

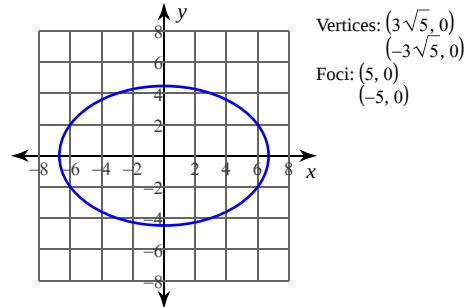


Answers to

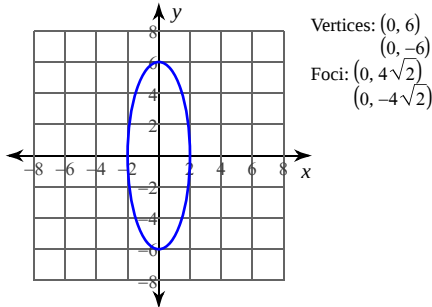
1)



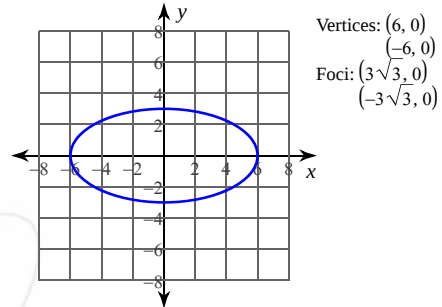
2)



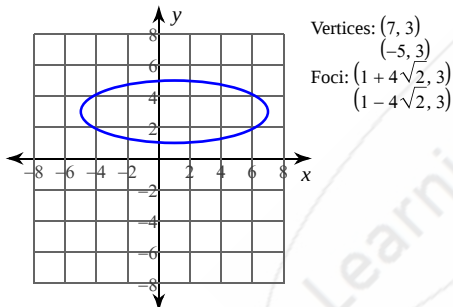
3)



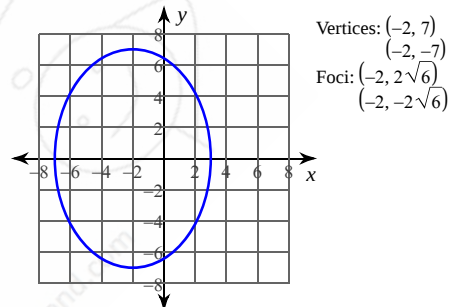
4)



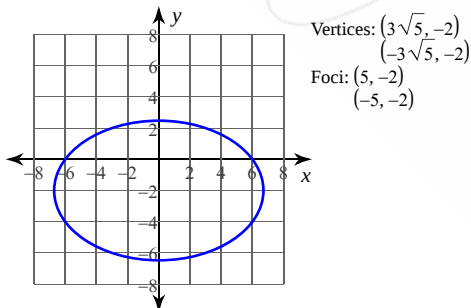
5)



6)



7)



8)

