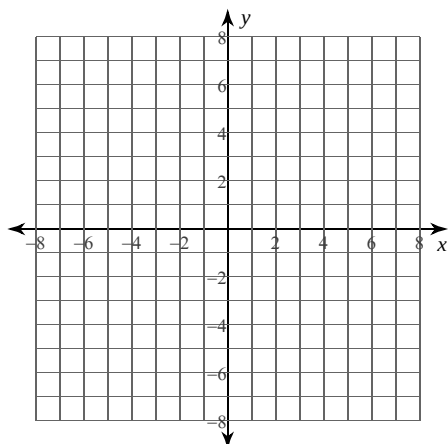


Daily Work

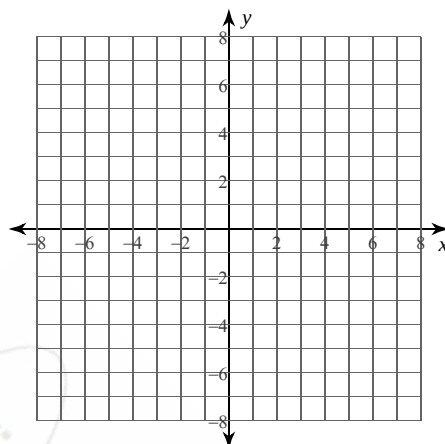
Date _____

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

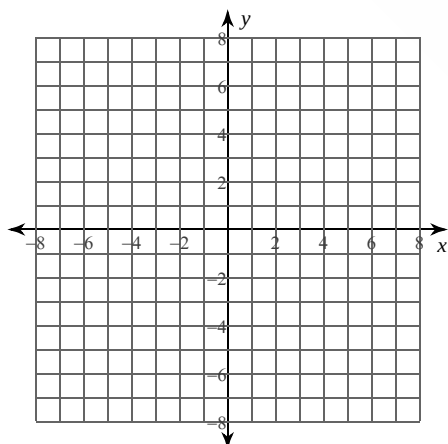
1) $\frac{x^2}{49} + \frac{y^2}{9} = 1$



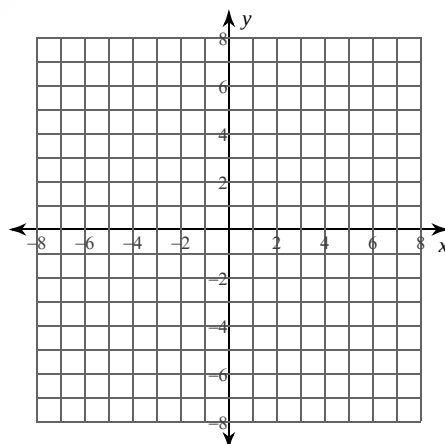
2) $\frac{x^2}{20} + \frac{y^2}{40} = 1$



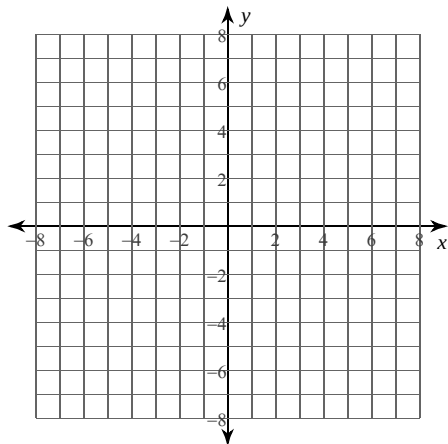
3) $\frac{x^2}{49} + \frac{y^2}{4} = 1$



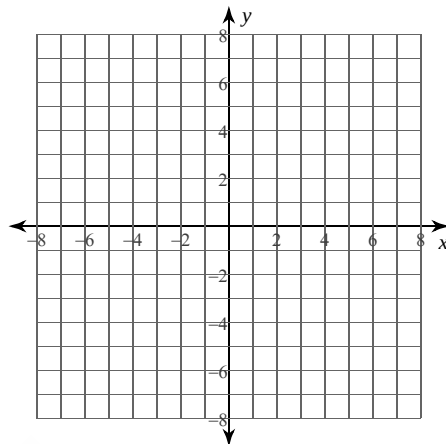
4) $x^2 + \frac{y^2}{16} = 1$



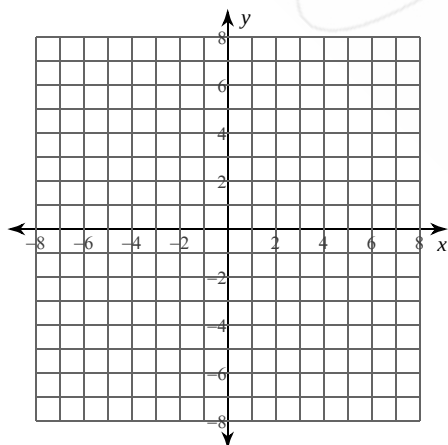
$$5) \frac{(x+4)^2}{4} + \frac{(y-3)^2}{4} = 1$$



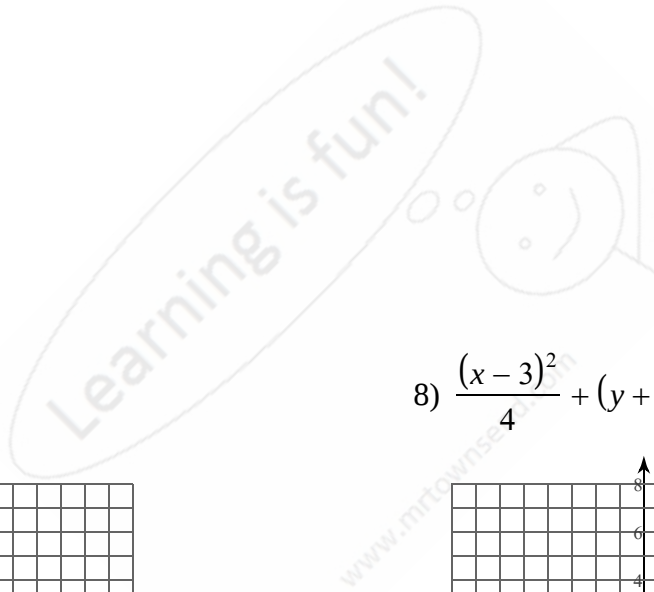
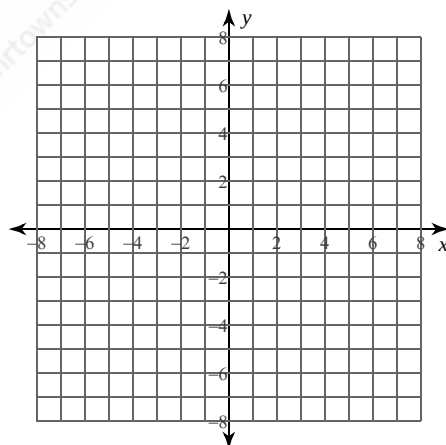
$$6) \frac{(x+2)^2}{16} + \frac{(y+4)^2}{9} = 1$$



$$7) \frac{(x+2)^2}{9} + \frac{y^2}{49} = 1$$

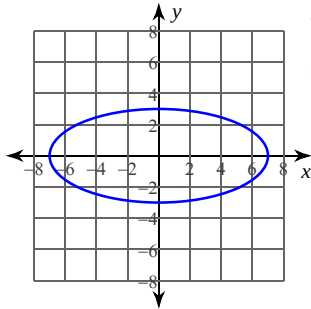


$$8) \frac{(x-3)^2}{4} + \frac{(y+4)^2}{9} = 1$$



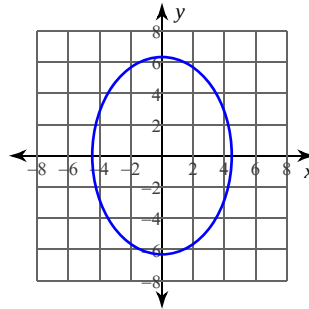
Answers to Daily Work

1)



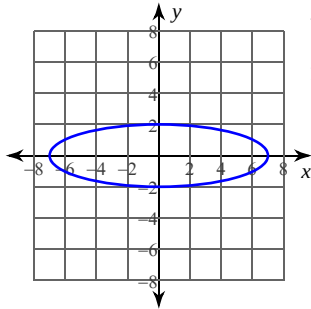
Vertices: $(7, 0)$
 $(-7, 0)$
 Foci: $(2\sqrt{10}, 0)$
 $(-2\sqrt{10}, 0)$

2)



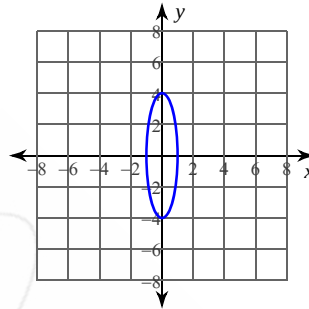
Vertices: $(0, 2\sqrt{10})$
 $(0, -2\sqrt{10})$
 Foci: $(0, 2\sqrt{5})$
 $(0, -2\sqrt{5})$

3)



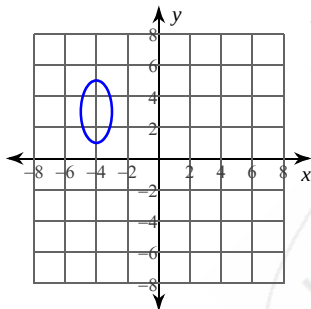
Vertices: $(7, 0)$
 $(-7, 0)$
 Foci: $(3\sqrt{5}, 0)$
 $(-3\sqrt{5}, 0)$

4)



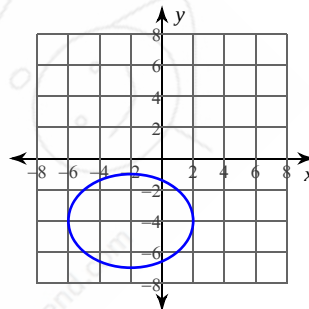
Vertices: $(0, 4)$
 $(0, -4)$
 Foci: $(0, \sqrt{15})$
 $(0, -\sqrt{15})$

5)



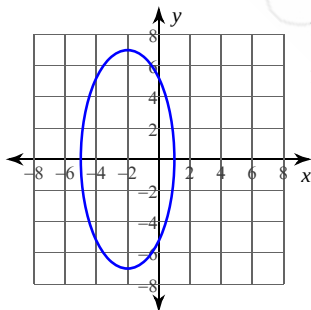
Vertices: $(-4, 5)$
 $(-4, 1)$
 Foci: $(-4, 3 + \sqrt{3})$
 $(-4, 3 - \sqrt{3})$

6)



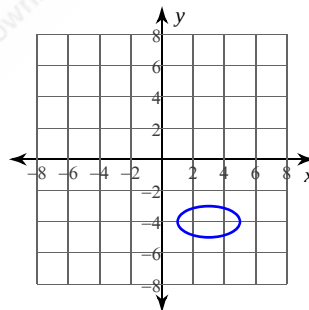
Vertices: $(2, -4)$
 $(-6, -4)$
 Foci: $(-2 + \sqrt{7}, -4)$
 $(-2 - \sqrt{7}, -4)$

7)



Vertices: $(-2, 7)$
 $(-2, -7)$
 Foci: $(-2, 2\sqrt{10})$
 $(-2, -2\sqrt{10})$

8)



Vertices: $(5, -4)$
 $(1, -4)$
 Foci: $(3 + \sqrt{3}, -4)$
 $(3 - \sqrt{3}, -4)$