~	▰ (trapezoid)	♡
$x = 2(y+1)^2 - 2$	$(x+2)^2 + y^2 = 16$	$\dfrac{(x+4)^2}{9} + \dfrac{(y-1)^2}{16} = 1$
■	★	\$
$y = -2(x+1)^2 - 1$	$(x-1)^2 + (y-1)^2 = 9$	$x^2 + \dfrac{y^2}{16} = 1$
>	<	?
$y = (x-3)^2 + 2$	$(x-4)^2 + (y-4)^2 = 1$	$\dfrac{(x+1)^2}{36} + \dfrac{(y+1)^2}{9} = 1$

& $$\frac{(x-2)^2}{25} + \frac{(y+3)^2}{4} = 1$$	■ $$\frac{y^2}{25} - \frac{x^2}{4} = 1$$	&
☺ $$\frac{x^2}{16} - \frac{y^2}{4} = 1$$		☺
# $$\frac{y^2}{4} - \frac{x^2}{16} = 1$$		

S Vertex is (-2, -1) Opens right Focus is $\left(-1\frac{7}{8}, -1\right)$ Directrix is $x = -2\frac{1}{8}$	**D** Vertex is (-1, -1) Opens down Focus is $\left(-1, -1\frac{1}{8}\right)$ Directrix is $y = -\frac{7}{8}$	**M** Vertex is (3, 2) Opens up Focus is $\left(3, 2\frac{1}{4}\right)$ Directrix is $y = 1\frac{3}{4}$
F Center is (1, 1) Radius is 3	**H** Center is (4, 4) Radius is 1	**J** Center is (0, 0) Major axis lies on the y-axis Length of the major axis is 8 Length of the minor axis is 2
A Center is (-4, 1) Major axis is parallel to the y-axis Length of the major axis is 8 Length of the minor axis is 6	**I** Center is (-2, 0) Radius is 4	**G** Center is (-1, -1) Major axis is parallel to the x-axis Length of the major axis is 12 Length of the minor axis is 6

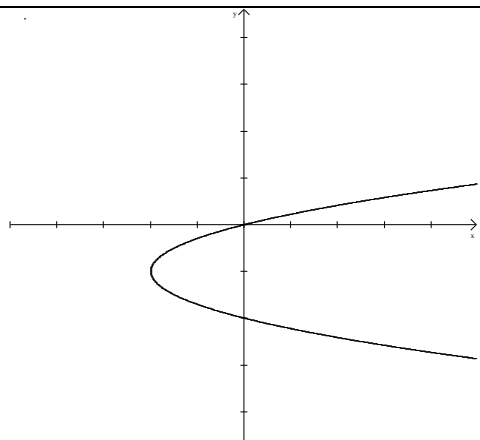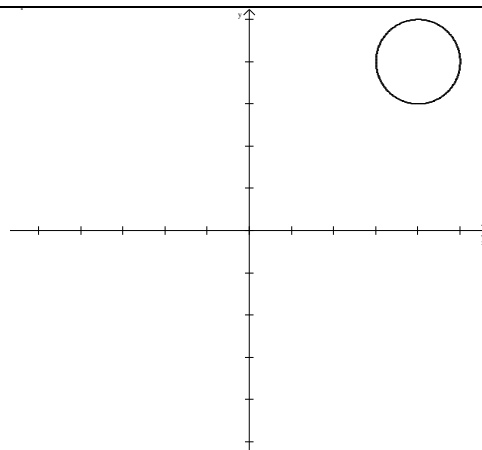| R	N	
Center is (2, -3) Major axis is parallel to the y-axis Length of the major axis is 10 Length of the minor axis is 4	Center is (0, 0) Asymptotes are $y = \frac{2}{4}x$ and $y = -\frac{2}{4}x$, which are equal to $y = \frac{1}{2}x$ and $y = -\frac{1}{2}x$ Vertices are (4, 0) and (-4, 0)	
Q Center is (0, 0) Asymptotes are $y = \frac{2}{4}x$ and $y = -\frac{2}{4}x$, which are equal to $y = \frac{1}{2}x$ and $y = -\frac{1}{2}x$ Vertices are (0, 2) and (0, -2)		
P Center is (0, 0) Asymptotes are $y = \frac{5}{2}x$ and $y = -\frac{5}{2}x$ Vertices are (0, 5) and (0, -5)		
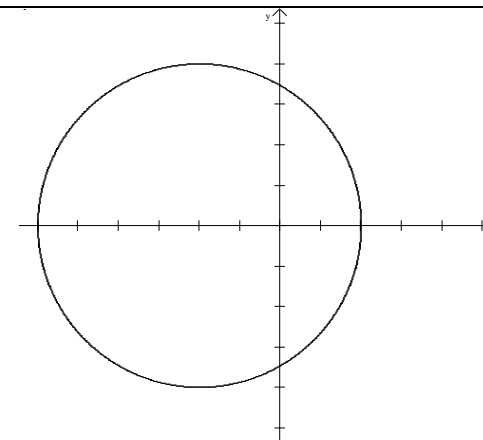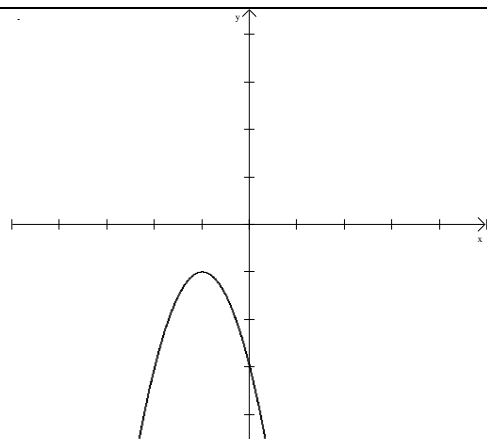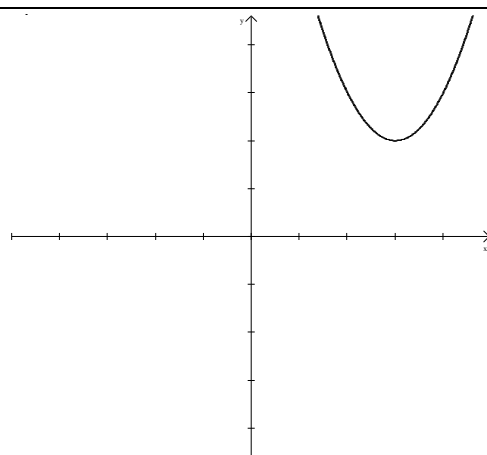
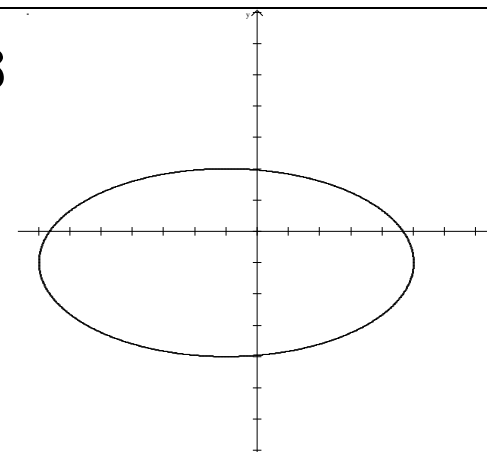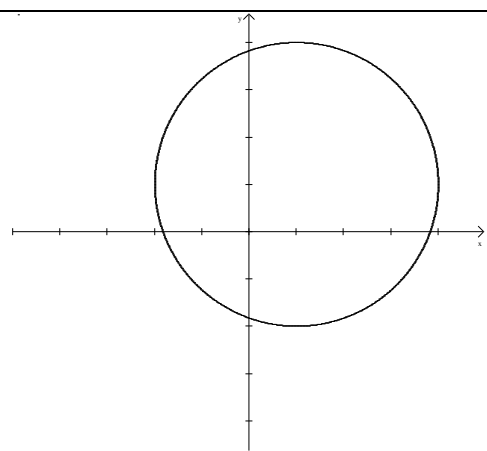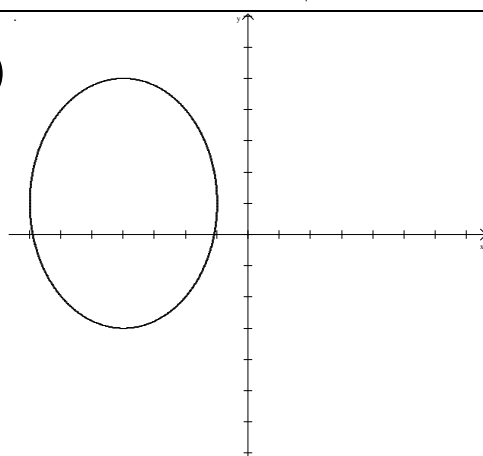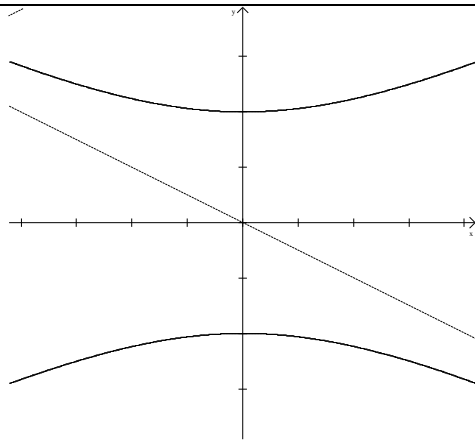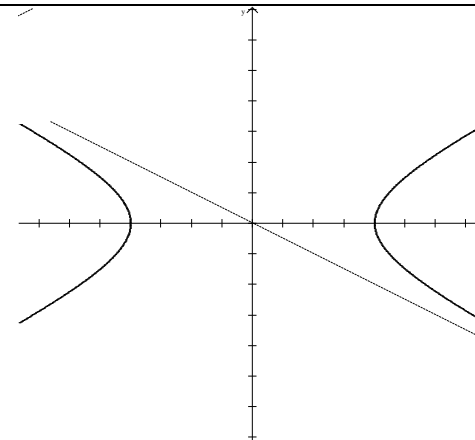|		
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15	16	3
4	10	7
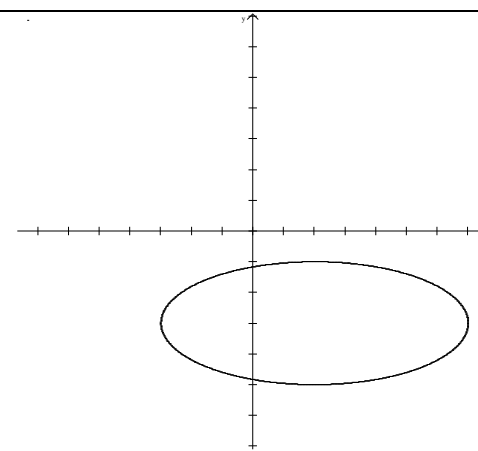
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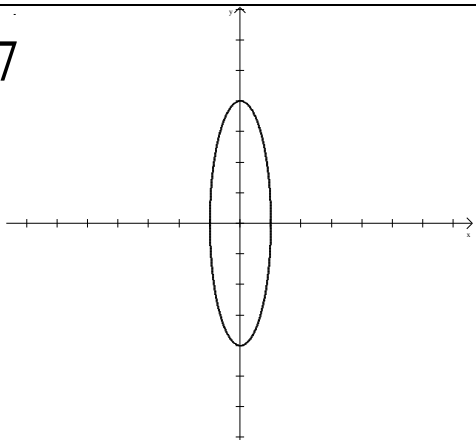
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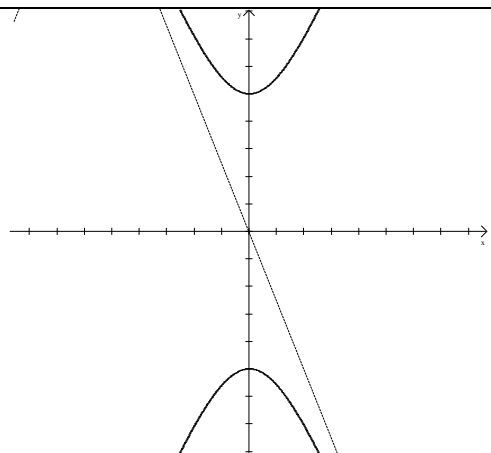
Conic Cards Deck

Parabolas

~	S	9
▬	D	15
>	M	16

Circles

★	F	4
<	H	19
▲	I	13

Ellipse

♡	A	10
$	J	17
?	G	3
&	R	7

Hyperbola

☺	N	5
#	Q	12
■	P	8