

Name _____



Date _____

Conics

(Answer ID # 1037529)

Write the standard equation for the ellipse.

1. Center (0,0) Vertex: (0,-8) Co-Vertex: (-3,0)	2. Center (0,0) Vertex: (4,0) Focus: ($\sqrt{15}$, 0)	3. Center (0,0) Vertex: (-5,0) Focus: ($-\sqrt{21}$, 0)
4. Center (0,0) Vertex: (6,0) Co-Vertex: (0,4)	5. Center (0,0) Vertex: (0,7) Co-Vertex: (-6,0)	6. Center (0,0) Vertex: (0,-3) Co-Vertex: (-1,0)
7. Center (0,0) Vertex: (0,2) Focus: (0, $-\sqrt{3}$)	8. Center (0,0) Vertex: (0,-9) Focus: (0, $3\sqrt{5}$)	9. Center (0,0) Vertex: (4,0) Focus: ($\sqrt{7}$, 0)
10. Center (0,0) Vertex: (7,0) Focus: ($\sqrt{33}$, 0)	11. Center (0,0) Vertex: (0,6) Co-Vertex: (-5,0)	12. Center (0,0) Vertex: (-9,0) Focus: ($\sqrt{77}$, 0)
13. Center (0,0) Vertex: (0,-5) Focus: (0, 3)	14. Center (0,0) Vertex: (0,8) Co-Vertex: (5,0)	15. Center (0,0) Vertex: (0,-5) Co-Vertex: (3,0)
16. Center (0,0) Vertex: (-6,0) Focus: ($4\sqrt{2}$, 0)	17. Center (0,0) Vertex: (-8,0) Co-Vertex: (0,-7)	18. Center (0,0) Vertex: (0,3) Focus: (0, $-\sqrt{5}$)

Name _____



Date _____

Conics

(Answer ID # 0765574)

Write the standard equation for the ellipse.

<p>1. Center (0,0) Vertex: (0,-8) Co-Vertex: (-3,0)</p> $\frac{x^2}{9} + \frac{y^2}{64} = 1$	<p>2. Center (0,0) Vertex: (4,0) Focus: ($\sqrt{15}$, 0)</p> $\frac{x^2}{16} + \frac{y^2}{1} = 1$	<p>3. Center (0,0) Vertex: (-5,0) Focus: ($-\sqrt{21}$, 0)</p> $\frac{x^2}{25} + \frac{y^2}{4} = 1$
<p>4. Center (0,0) Vertex: (6,0) Co-Vertex: (0,4)</p> $\frac{x^2}{36} + \frac{y^2}{16} = 1$	<p>5. Center (0,0) Vertex: (0,7) Co-Vertex: (-6,0)</p> $\frac{x^2}{36} + \frac{y^2}{49} = 1$	<p>6. Center (0,0) Vertex: (0,-3) Co-Vertex: (-1,0)</p> $\frac{x^2}{1} + \frac{y^2}{9} = 1$
<p>7. Center (0,0) Vertex: (0,2) Focus: (0 , $-\sqrt{3}$)</p> $\frac{x^2}{1} + \frac{y^2}{4} = 1$	<p>8. Center (0,0) Vertex: (0,-9) Focus: (0 , $3\sqrt{5}$)</p> $\frac{x^2}{36} + \frac{y^2}{81} = 1$	<p>9. Center (0,0) Vertex: (4,0) Focus: ($\sqrt{7}$, 0)</p> $\frac{x^2}{16} + \frac{y^2}{9} = 1$
<p>10. Center (0,0) Vertex: (7,0) Focus: ($\sqrt{33}$, 0)</p> $\frac{x^2}{49} + \frac{y^2}{16} = 1$	<p>11. Center (0,0) Vertex: (0,6) Co-Vertex: (-5,0)</p> $\frac{x^2}{25} + \frac{y^2}{36} = 1$	<p>12. Center (0,0) Vertex: (-9,0) Focus: ($\sqrt{77}$, 0)</p> $\frac{x^2}{81} + \frac{y^2}{4} = 1$
<p>13. Center (0,0) Vertex: (0,-5)</p>	<p>14. Center (0,0) Vertex: (0,8)</p>	<p>15. Center (0,0) Vertex: (0,-5)</p>

<p>Focus:(0 , 3)</p> $\frac{x^2}{16} + \frac{y^2}{25} = 1$	<p>Co-Vertex: (5,0)</p> $\frac{x^2}{25} + \frac{y^2}{64} = 1$	<p>Co-Vertex: (3,0)</p> $\frac{x^2}{9} + \frac{y^2}{25} = 1$
<p>16. Center (0,0) Vertex: (-6,0) Focus:($4\sqrt{2}$, 0)</p> $\frac{x^2}{36} + \frac{y^2}{4} = 1$	<p>17. Center (0,0) Vertex: (-8,0) Co-Vertex: (0,-7)</p> $\frac{x^2}{64} + \frac{y^2}{49} = 1$	<p>18. Center (0,0) Vertex: (0,3) Focus:(0 , $-\sqrt{5}$)</p> $\frac{x^2}{4} + \frac{y^2}{9} = 1$