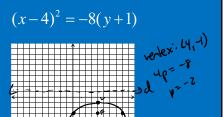
Graph the parabola:

$$(x-4)^2 = -8(y+1)$$

Graph the parabola:



Write the equation of the conic in Standard form:

$$3x^2 + 5y^2 + 12x - 10y + 2 = 0$$

Write the equation of the conic in Standard form:

$$3x^{2} + 5y^{2} + 12x - 10y + 2 = 0$$

$$3x^{2} + 12x + 5y^{2} - 10y = -2$$

$$3(x^{2} + 4x + 4) + 5(y^{2} - 2y + 1) = -2 + 12 + 5$$

$$3(x + 2)^{2} + 5(y - 1)^{2} = 15$$

$$(x + 2)^{2} + (y - 1)^{2} = 1$$

Write the equation of the conic in parametric form:

$$\frac{(x-4)^2}{16} - \frac{(y+1)^2}{36} = 1$$

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$$\frac{(x-4)^2}{16} - \frac{(y+1)^2}{36} = 1$$

$$X = 4 + 4 \sec t$$

Find the coordinates of the Focal points of the shape:

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

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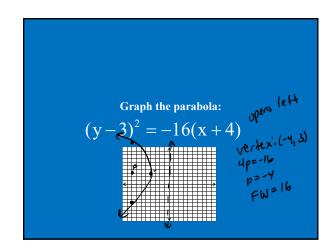
$$c^{2} = |b+4|$$

$$c^{1} = 20$$

$$(4 + 2\sqrt{5}, -1), (4-2\sqrt{5}, -1)$$

Graph the parabola:

$$(y-3)^2 = -16(x+4)$$



Write the equation of an hyperbola that has foci at (0,6) and (0,-6) and the length of the transverse axis is 8.

Write the equation of an hyperbola that has foci at (0,6) and (0,-6) and the length of the transverse axis is 8. $C=6 \quad \alpha=4 \quad b=?^{2}$ $3b=1b+b^{2}$ $b^{2}=20$ $y^{2} - x^{2} = |$ $16 - x^{2} = |$

Write the parametric equations of the conic section:

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

Write the equation of the conic section in standard form:

$$5y^2 - 6x^2 + 12x + 20y + 44 = 0$$

Write the equation of the conic section in standard form:

$$5y^{2} - 6x^{2} + 12x + 20y + 44 = 0$$

$$5y^{2} + 20y - 6x^{2} + 12x = -44$$

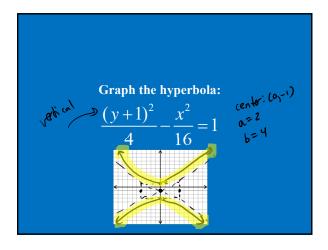
$$5(y^{2} + 4y + 4) - 6(x^{2} - 2x + 1) = -44 + 20 + -6$$

$$5(y + 2)^{2} - 6(x - 1)^{2} = -30$$

$$\frac{(x - 1)^{2}}{5} - \frac{(y + 2)^{2}}{6} = 1$$

Graph the hyperbola:

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



Write the conic section in standard form:

$$y^2 - 8y - 8x = -24$$

Write the conic section in standard form:

$$y^{2} - 8y - 8x = -24$$

$$y^{2} - 8y = 8x - 24$$

$$y^{2} - 8y + 16 = 8x - 24 + 16$$

$$(y - 4)^{2} = 8x - 8$$

$$((y - 4)^{2} = 8(x - 1)$$

Write the parametric equations for the conic section:

$$\frac{(x+1)^2}{64} - \frac{(y-11)^2}{36} = 1$$

Write the parametric equations for the conic section:

conic section:

$$\frac{(x+1)^{2}}{64} - \frac{(y-11)^{2}}{36} = 1$$

$$= 1$$

$$= 1 + 8 \sec t$$

$$= 11 + 6 \tan t$$

Find the coordinates of the foci of the conic section:

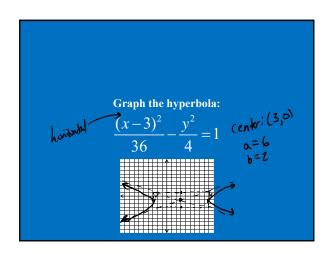
$$\frac{(x-4)^2}{4} - \frac{(y+2)^2}{36} = 1$$

Find the coordinates of the foci of the conic section:

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

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

Graph the hyperbola: $\frac{(x-3)^2}{36} - \frac{y^2}{4} = 1$



Write the equation of a parabola that has a directrix at x = 4 and the vertex is at the point (0, 6).

Write the equation of a hyperbola that has endpoints of the transverse axis at (-4, 3) and (-4, 7) and the foci are at (-4, 1) and (-4, 9).

Write the equation of a hyperbola that has endpoints of the transverse axis at (-4, 3) and (-4, 7) and the foci are at (-4, 1) and
$$(-4, 9)$$
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Write the parametric equations of the conic section:

$$(x-4)^2 = -4(y+1)$$

Write the parametric equations of the conic section:

$$(x-4)^2 = -4(y+1)$$

$$x = 4 + 2\epsilon$$

$$y = -1 + t^2$$