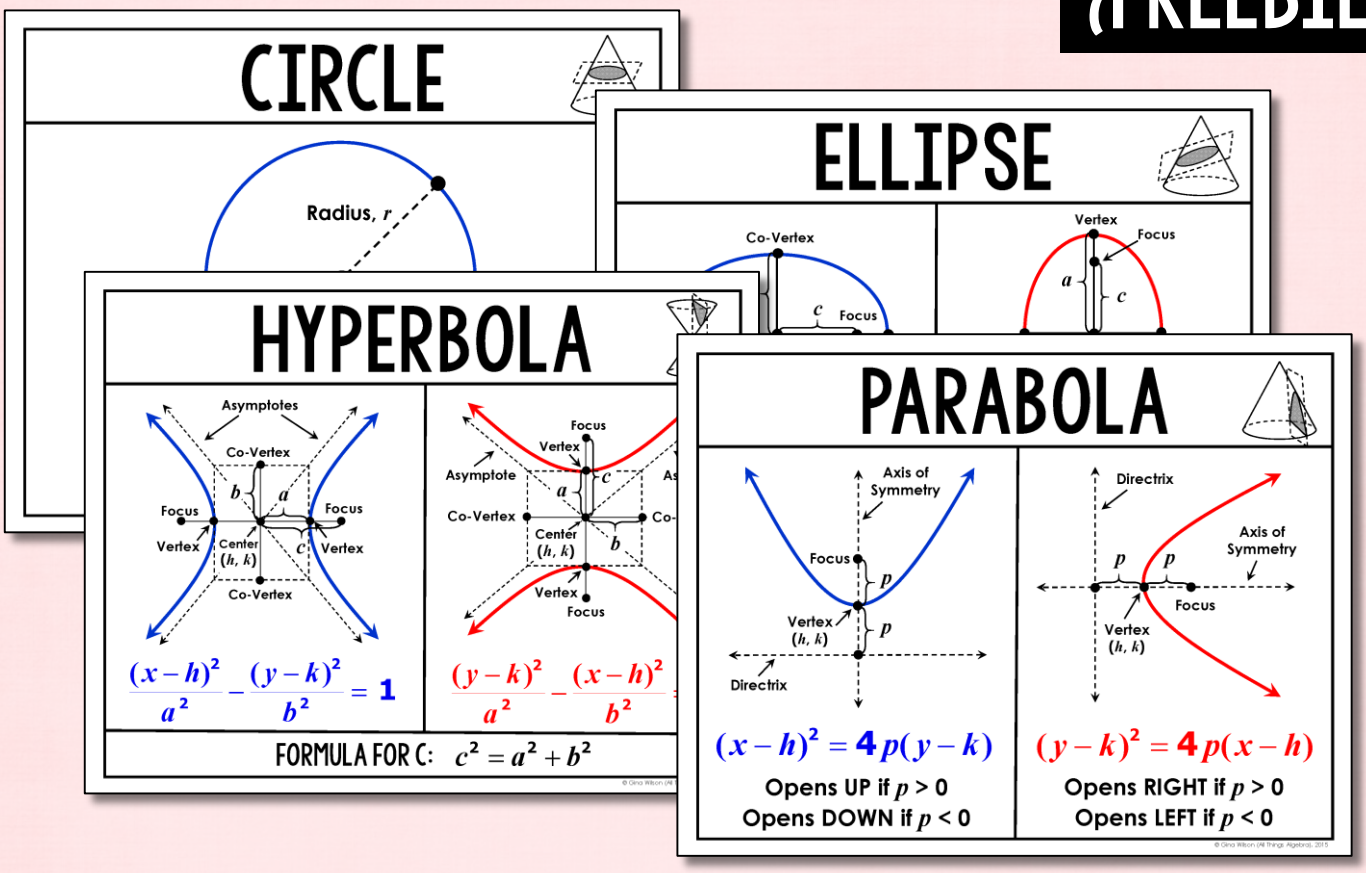
{FREEBIE!}

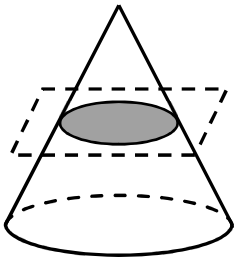


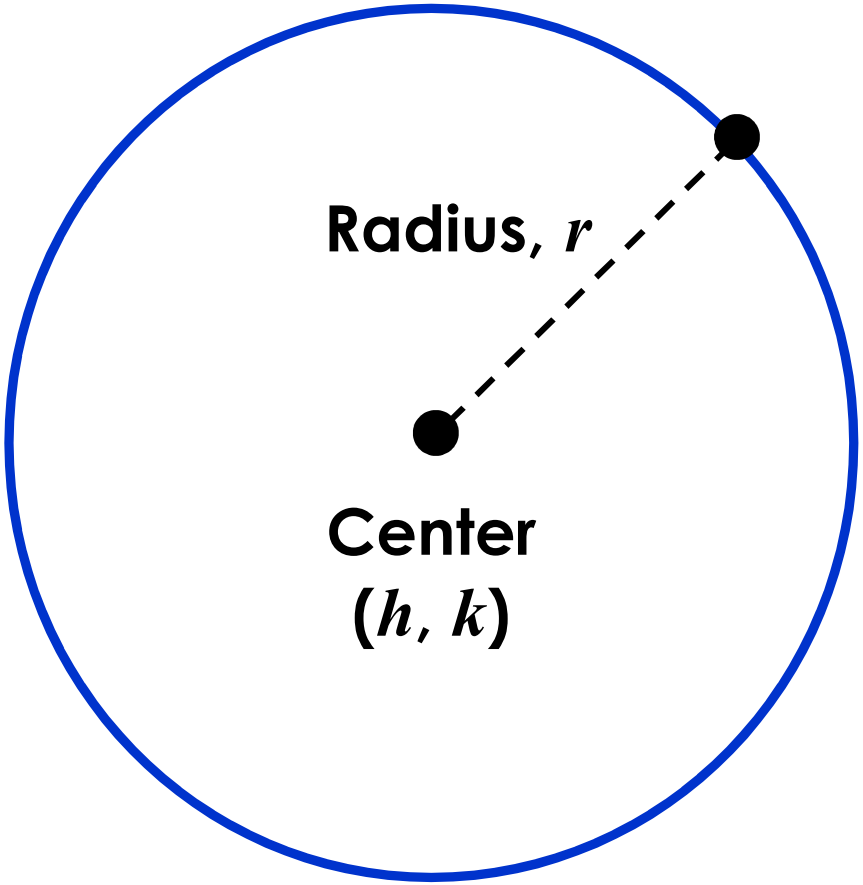
CONIC SECTIONS

WALL POSTERS

Created by: ALL THINGS ALGEBRA

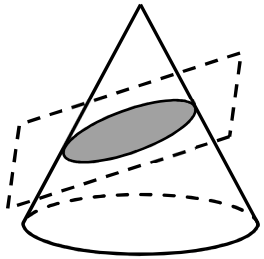
CIRCLE

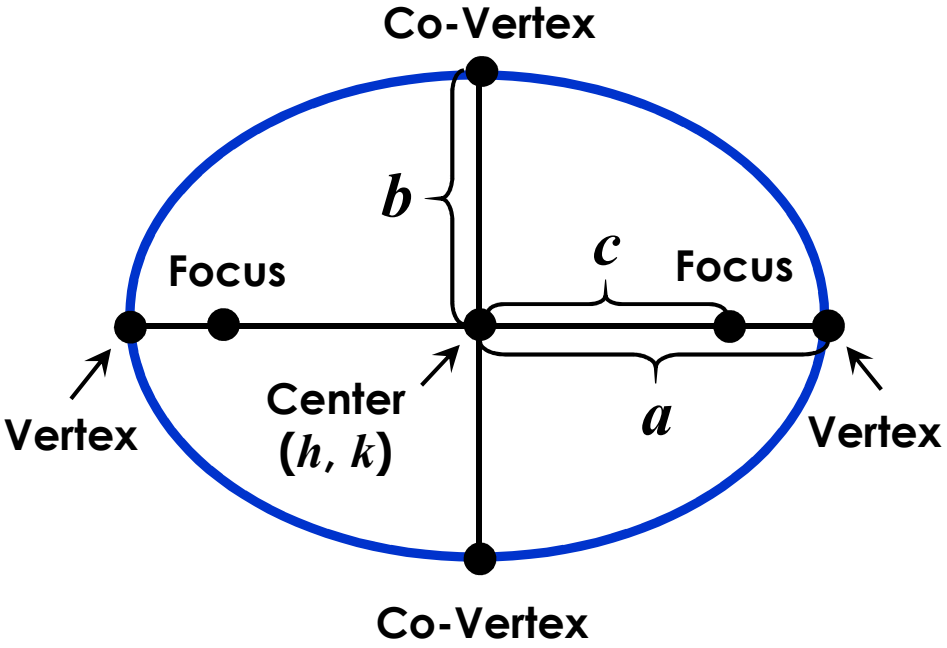




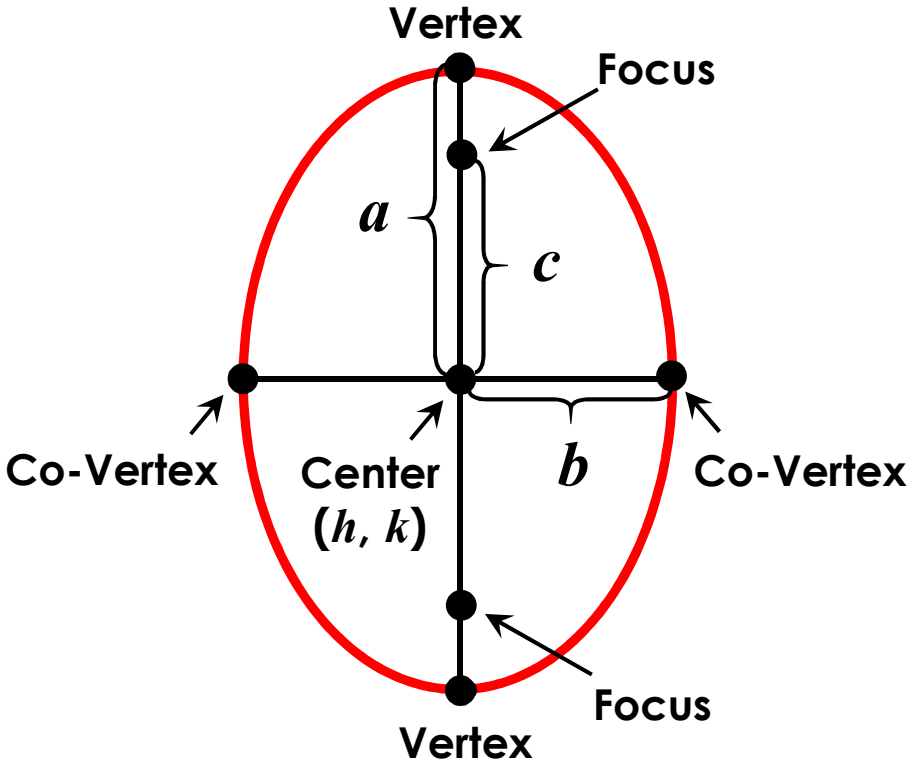
$$(x-h)^2+(y-k)^2=r^2$$

ELLIPSE





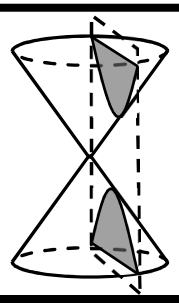
$$\frac{(x-h)^2}{a^2}+\frac{(y-k)^2}{b^2}=1$$

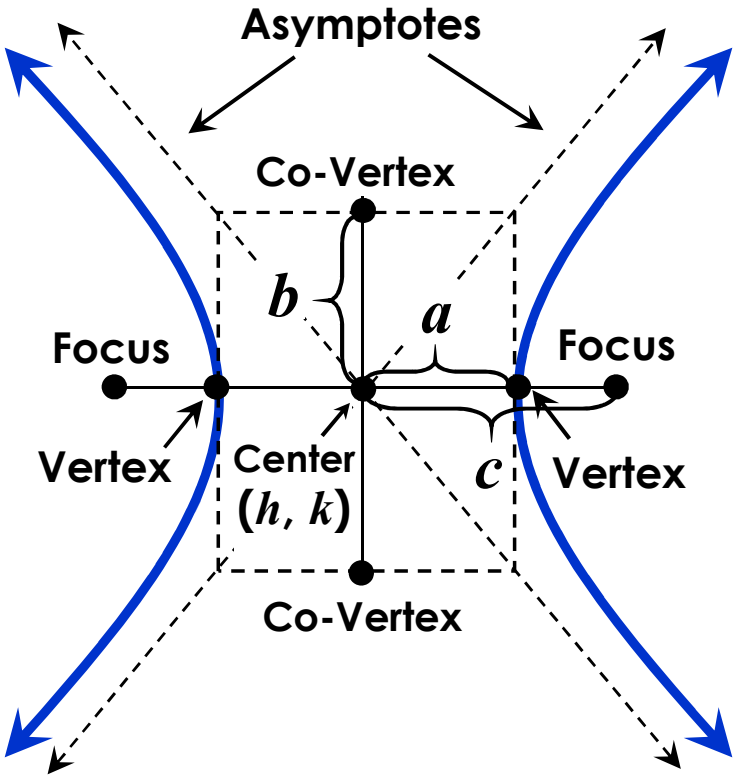


$$\frac{(x-h)^2}{b^2}+\frac{(y-k)^2}{a^2}=1$$

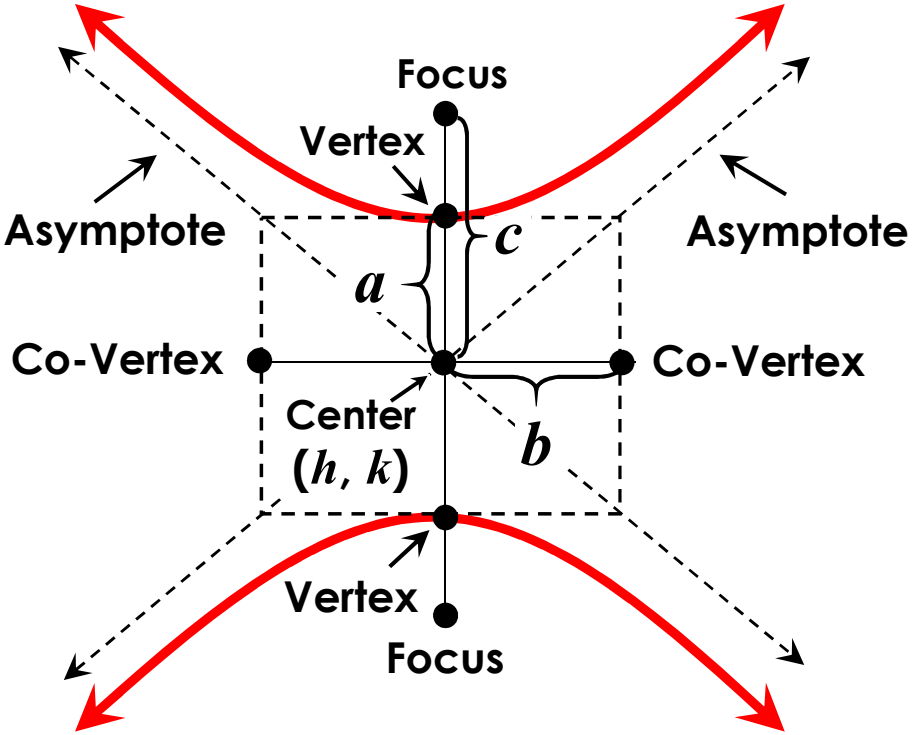
FORMULA FOR C: $c^2=a^2-b^2$

HYPERBOLA





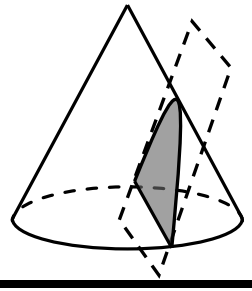
$$\frac{(x-h)^2}{a^2} - \frac{(y-k)^2}{b^2} = 1$$

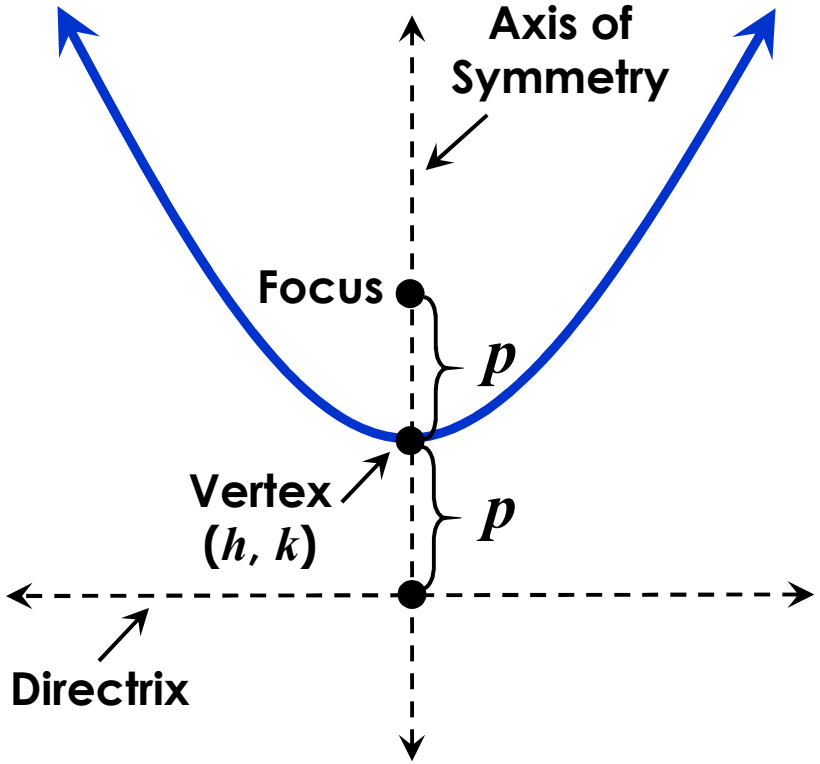


$$\frac{(y-k)^2}{a^2} - \frac{(x-h)^2}{b^2} = 1$$

FORMULA FOR C: $c^2 = a^2 + b^2$

PARABOLA

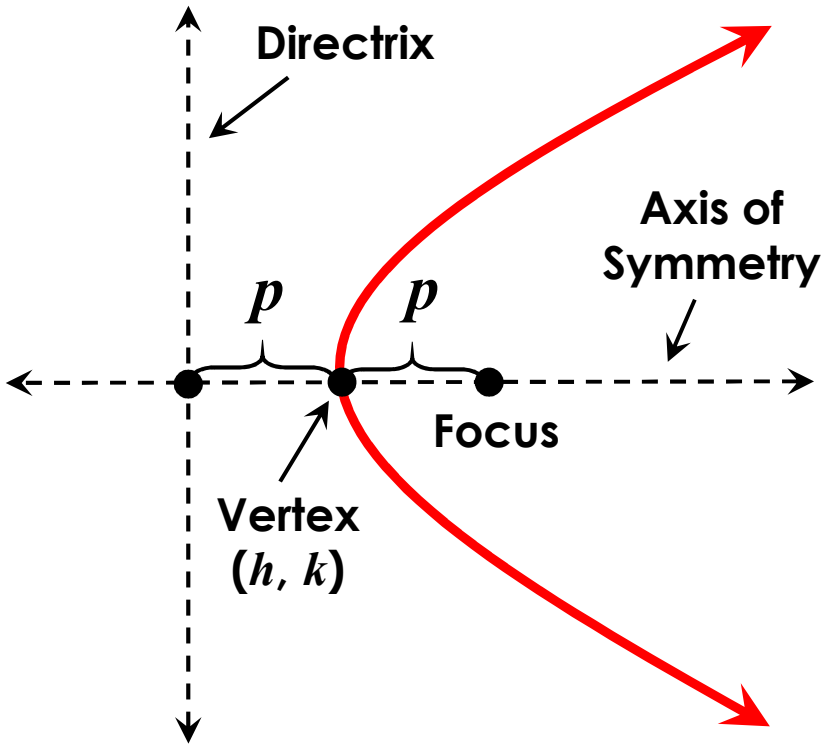




$$(x-h)^2 = 4p(y-k)$$

Opens UP if $p > 0$

Opens DOWN if $p < 0$

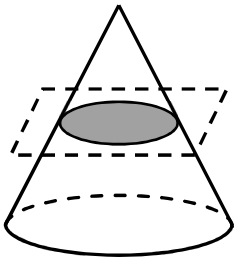


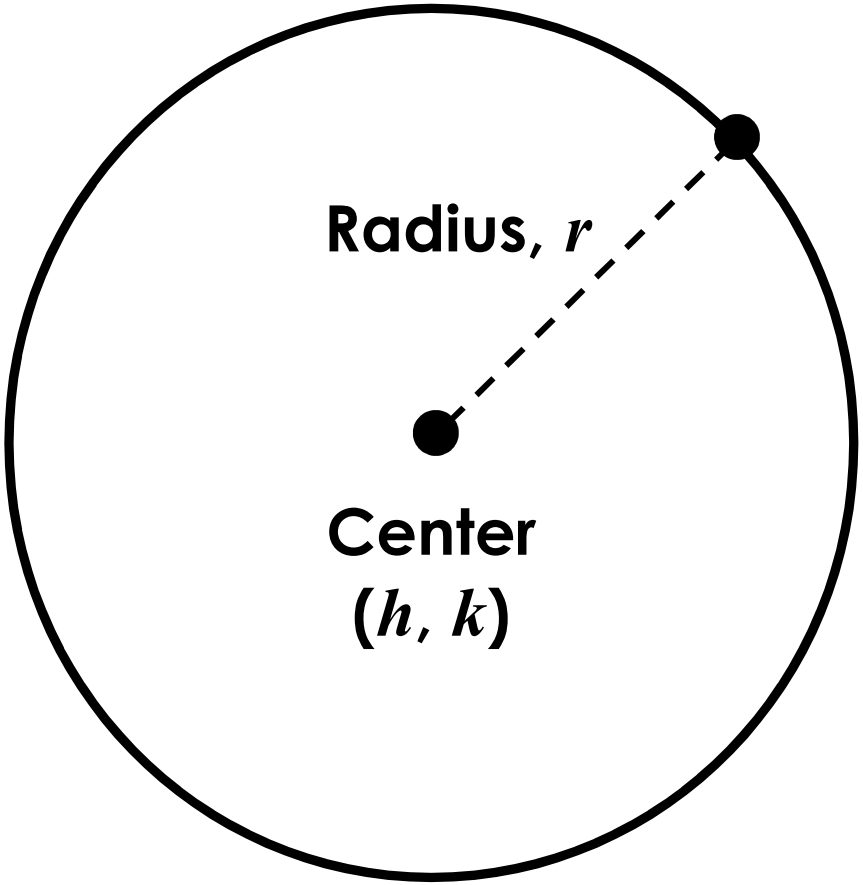
$$(y-k)^2 = 4p(x-h)$$

Opens RIGHT if $p > 0$

Opens LEFT if $p < 0$

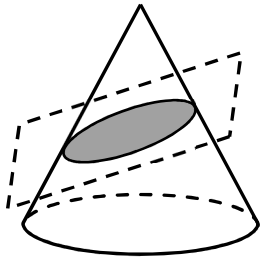
CIRCLE

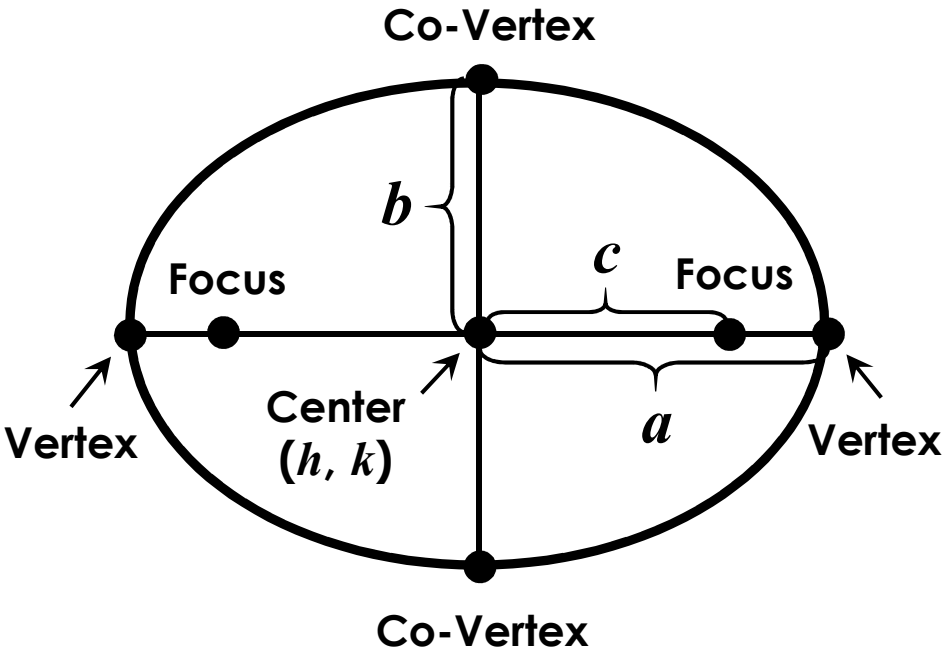




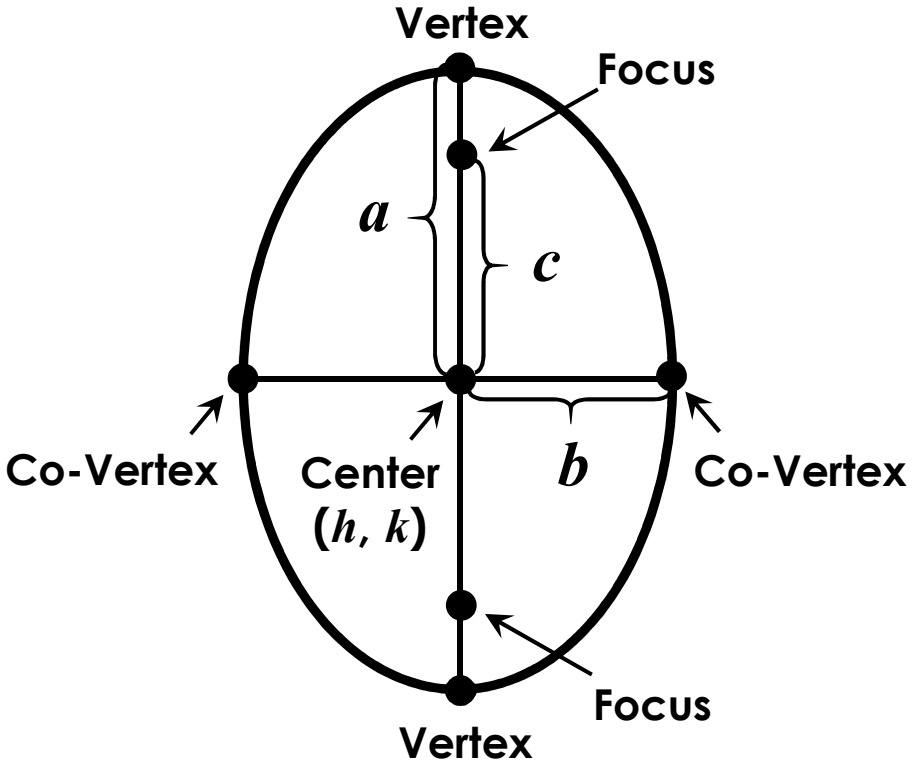
$$(x-h)^2+(y-k)^2=r^2$$

ELLIPSE





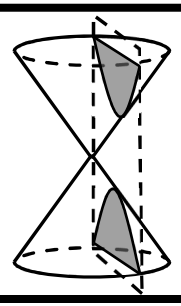
$$\frac{(x-h)^2}{a^2}+\frac{(y-k)^2}{b^2}=1$$

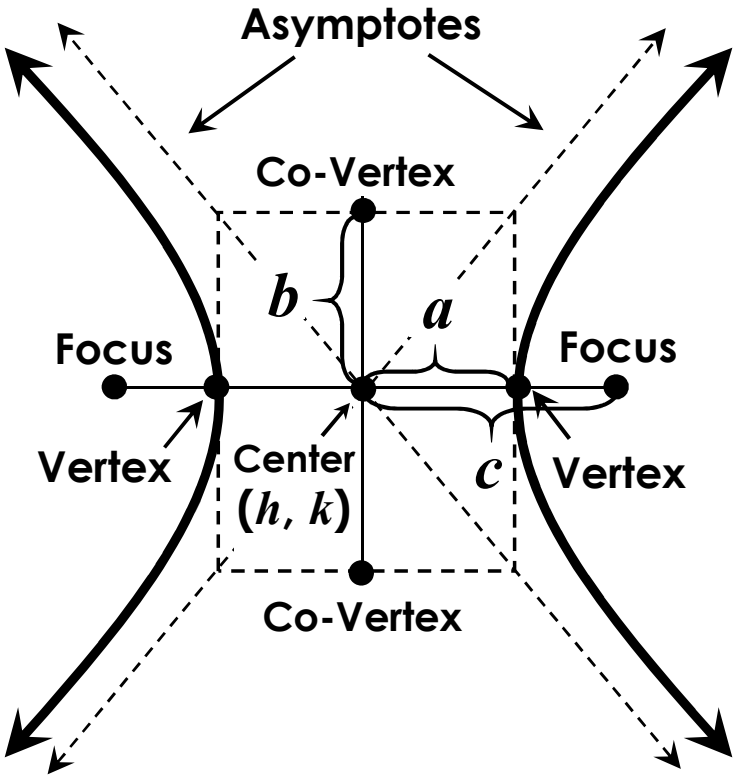


$$\frac{(x-h)^2}{b^2}+\frac{(y-k)^2}{a^2}=1$$

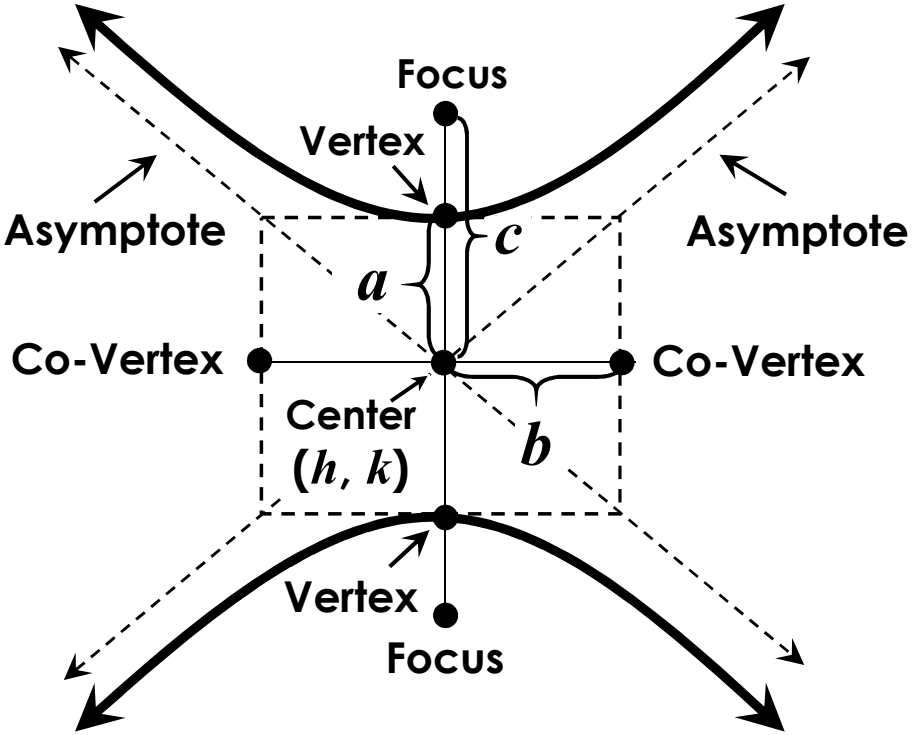
FORMULA FOR C: $c^2=a^2-b^2$

HYPERBOLA





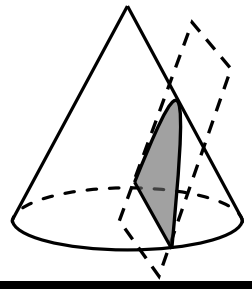
$$\frac{(x-h)^2}{a^2} - \frac{(y-k)^2}{b^2} = 1$$

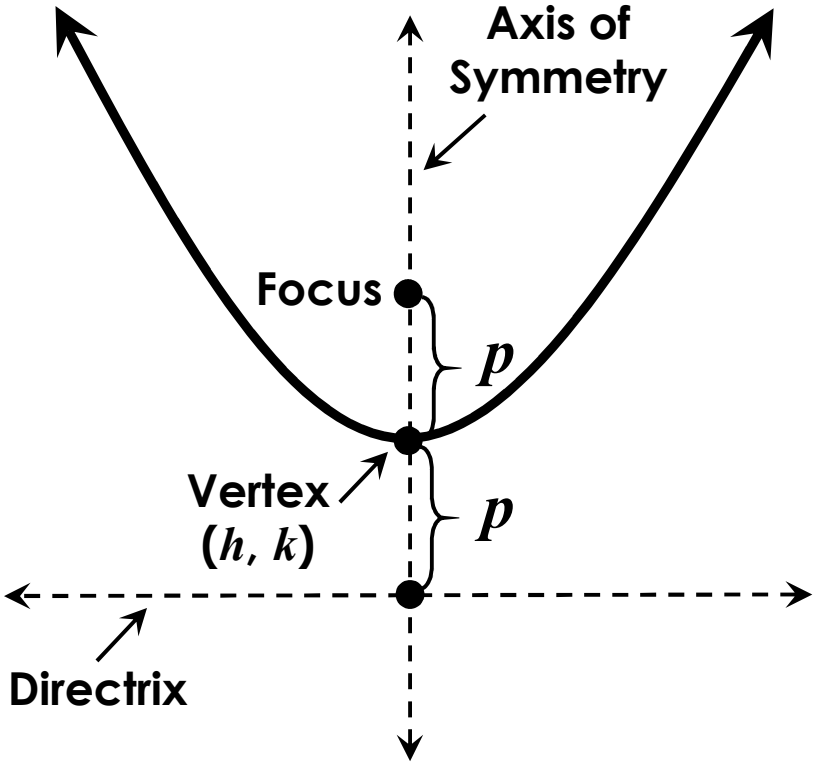


$$\frac{(y-k)^2}{a^2} - \frac{(x-h)^2}{b^2} = 1$$

FORMULA FOR C: $c^2 = a^2 + b^2$

PARABOLA

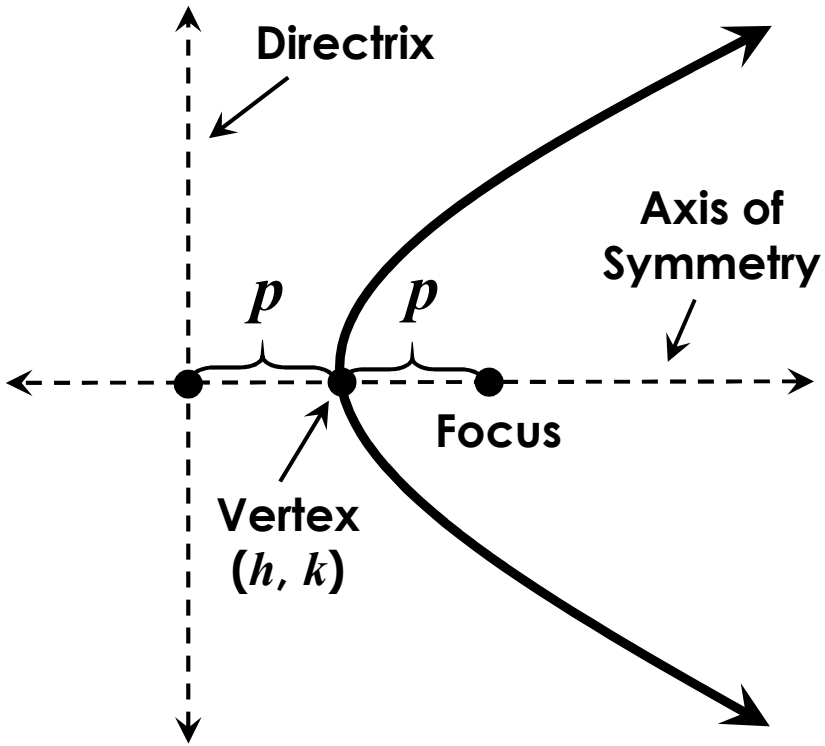




$$(x-h)^2 = 4p(y-k)$$

Opens UP if $p > 0$

Opens DOWN if $p < 0$



$$(y-k)^2 = 4p(x-h)$$

Opens RIGHT if $p > 0$

Opens LEFT if $p < 0$

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