

ellipse -

**©Physics Phor Phun** 

All points whose distance

 $(h)^{2}$ 

ellipse

from 2 focal points is a

 $f = (h \pm \sqrt{a^2 - b^2}, k)$ 

constant sum.

805-610-1725

hyperbola -

**hyperbola**  $f = (h \pm \sqrt{a^2 + b^2}, k)$   $m_{asymp} = \pm \frac{1}{2}$ 

 $(x-h)^{2}$ 

**General Conic Form** 

 $Ax^2+Bxy+Cy^2+Dx+Ey+F=0$ 

(v-k)

All points whose distance

from 2 focal points is a

constant difference.