

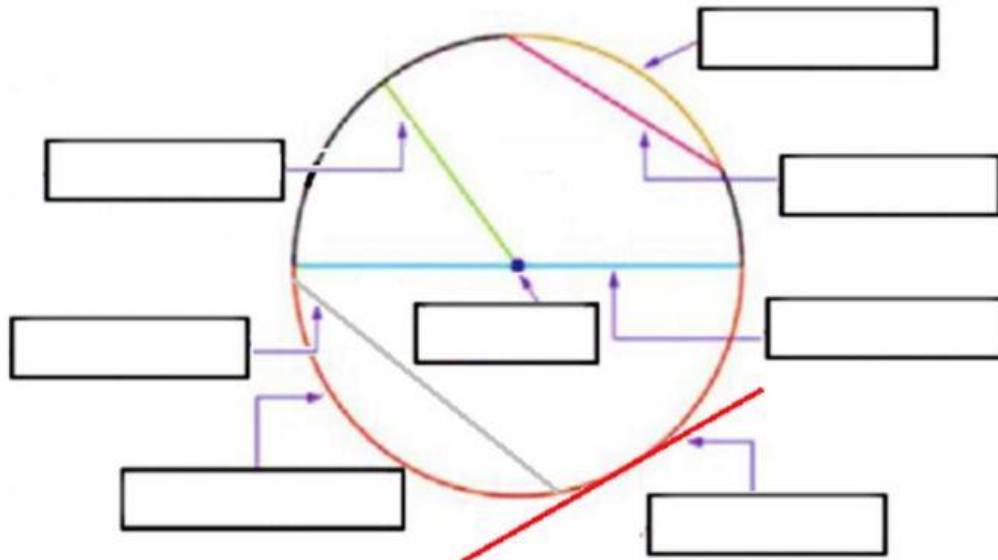
EVALUACIÓN DE 5TO DE SECUNDARIA
CÓNICAS

I – Identifica las ecuaciones generales de las cónicas:

$$\frac{(x-h)^2}{a} + \frac{(y-k)^2}{b} = 1 \quad \frac{(x-h)^2}{b} - \frac{(y-k)^2}{a} = 1 \quad (x-h)^2 + (y-k)^2 = r^2 \quad y^2 = 4px$$

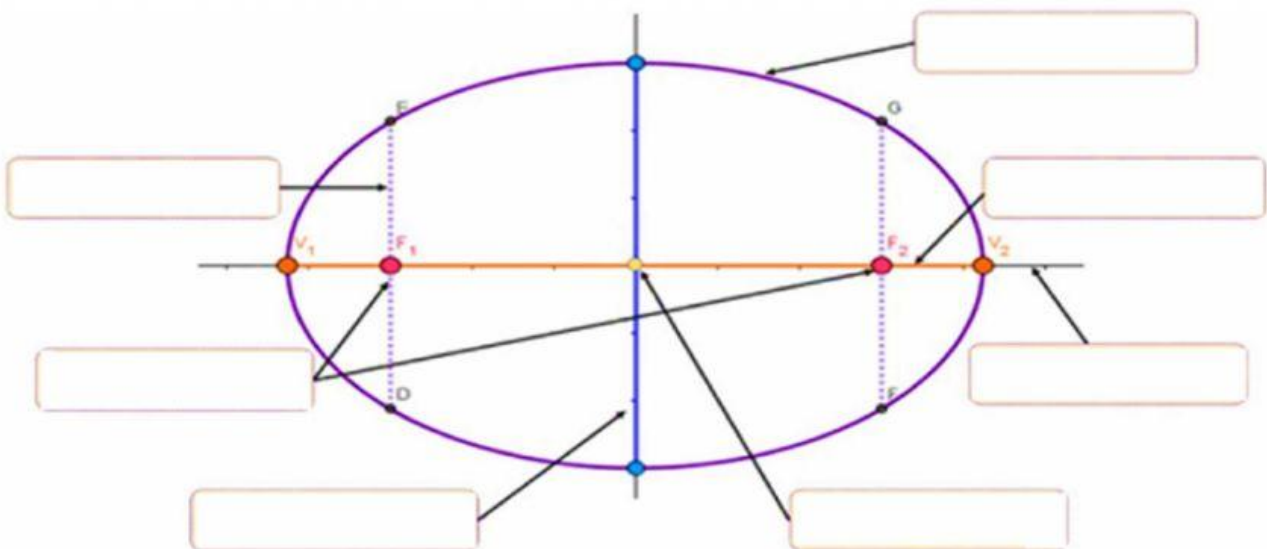
II – Identifica cada uno de los elementos de la cónica escribiendo el nombre en el recuadro correspondiente:

-Centro -Arco -Radio -Diámetro -Tangente -Secante -Cuerda -Círculo Ecuación:

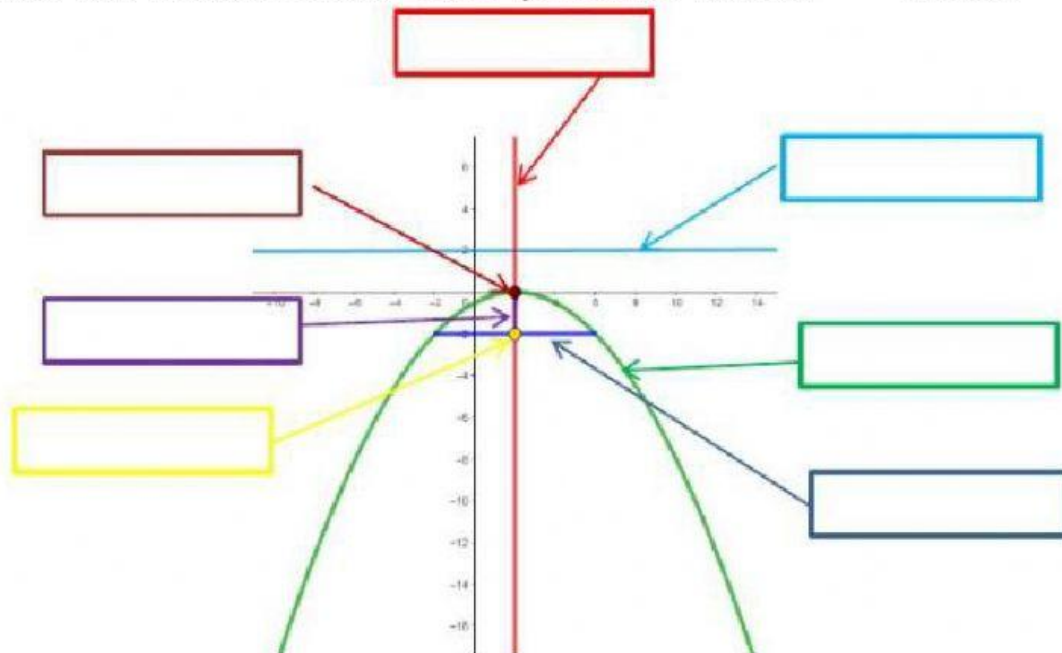


III – Identifica cada uno de los elementos de la Cónica escribiendo el nombre en el recuadro correspondiente:

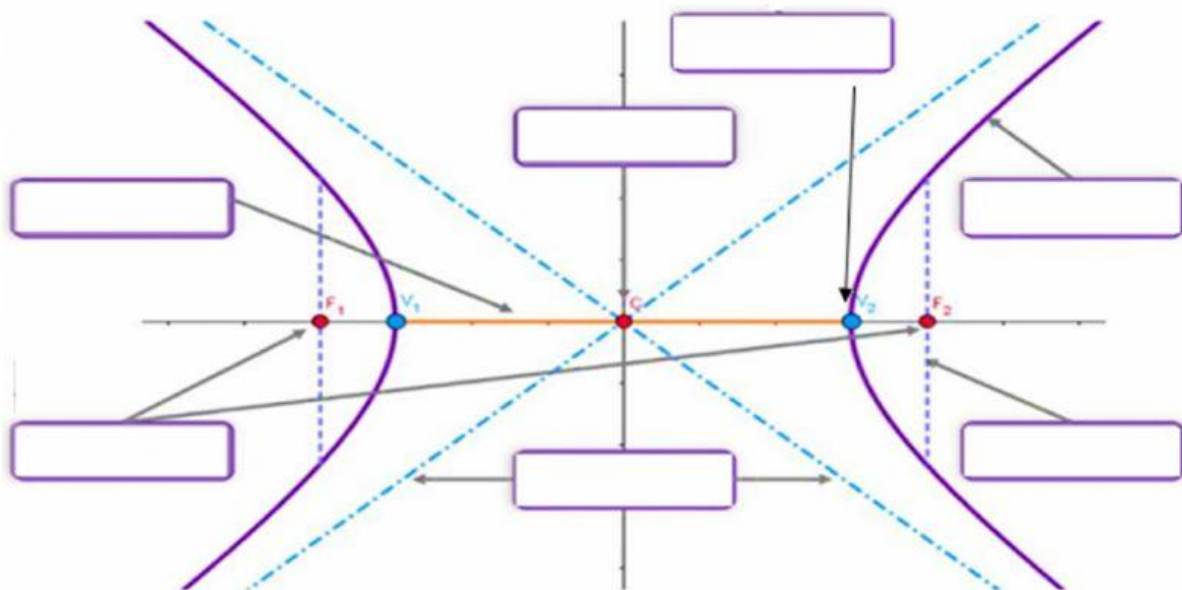
-Centro -Focos -Eje mayor -Elipse, -Eje menor -Eje Focal -Lado recto Ecuación:



Ecuación:



Ecuación:



The image shows four light blue cones with dashed lines for hidden parts. Each cone is intersected by a gray plane to illustrate a different conic section:

- Ellipse:** The plane is horizontal, parallel to the base of the cone.
- Hyperbola:** The plane is vertical and passes through both the top and bottom vertices of the cone.
- Parabola:** The plane is vertical and tangent to the cone along a single line.
- Degenerate Cases:** Two separate diagrams show planes passing through the single vertex of the cone, resulting in two intersecting lines or a single point.