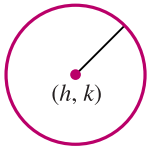
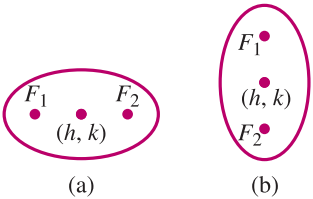
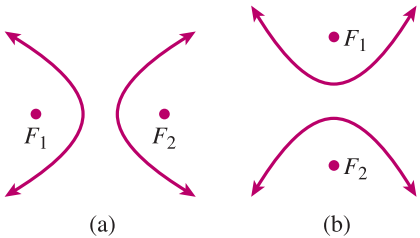
Name of curve	Standard form of equation	Graph
Circle	$(x-h)^2+(y-k)^2=r^2$	
Ellipse (a) Major axis parallel to x-axis (b) Major axis parallel to y-axis	$\frac{(x-h)^2}{a^2}+\frac{(y-k)^2}{b^2}=1$ $a>b$ $a<b$	
Hyperbola (a) Transverse axis parallel to x-axis (b) Transverse axis parallel to y-axis	$\frac{(x-h)^2}{a^2}-\frac{(y-k)^2}{b^2}=1$ $\frac{(y-k)^2}{b^2}-\frac{(x-h)^2}{a^2}=1$	
Parabola (a) Opens upward (b) Opens downward (c) Opens to the right (d) Opens to the left	$(y-k)=a(x-h)^2,\ a>0$ $(y-k)=a(x-h)^2,\ a<0$ $(x-h)=a(y-k)^2,\ a>0$ $(x-h)=a(y-k)^2,\ a<0$