
Conic Sections Reference Sheet

conic sections formulas - ttdk - conic sections formulas parabola vertical axis horizontal axis equation $(x-h)^2=4p(y-k)$ $(y-k)^2=4p(x-h)$ axis of symmetry $x=h$ $y=k$ vertex (h,k) (h,k) focus $(h,k+p)$ $(h+p,k)$ directrix $y=k-p$ $x=h-p$ direction of opening $p>0$ then up; $p<0$ then down; p