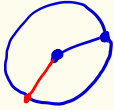


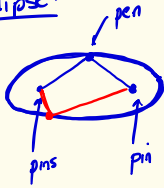
Other properties of conic sections:

circle:



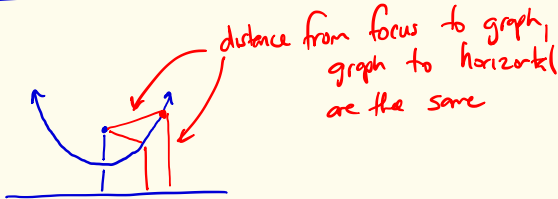
every point on circle
is the same distance (radius)
from the center

ellipse:



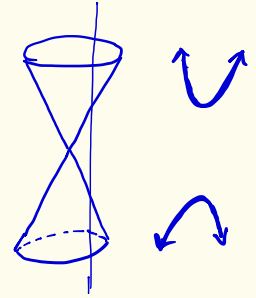
dots are called foci (each
is called a focus)

parabola:

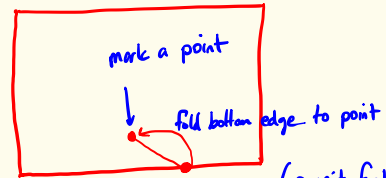


distance from focus to graph,
graph to horizontal
are the same

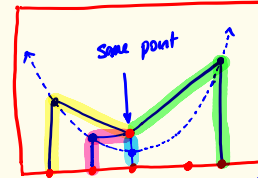
hyperbola:



$Ax^2 + Bxy + Cy^2 + Dx + Ey + F = 0$
Different choices of A-F describe
different conic sections.



(await further
instruction)



The two yellow highlighted
segments are both the
same length, as are green,
pink, blue.

The parabola traces
points that are equally far from the bottom
edge of the paper as they are the marked point!