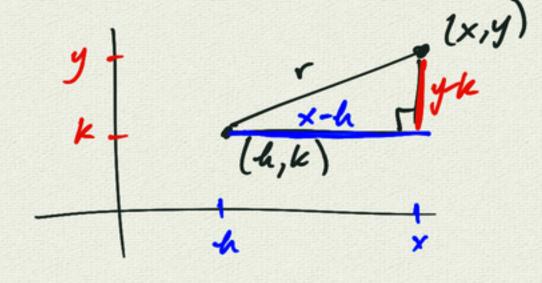
## 5.1 Parabolas

circle:

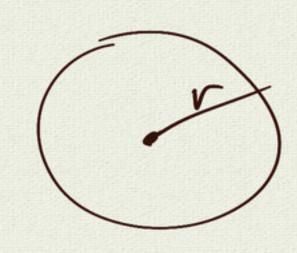
$$(x-a)^2 + (y-k)^2 = r^2$$

algebraic definition



$$r = \sqrt{(x-h)^2 + (y-k)^2}$$

$$r^2 = (x-h)^2 + (y-k)^2$$



geometric definition:

a circle is the set of points

equidistant from a center point

