Parametric equation for a circle

sqr(r^2-x^2)/x = k / (1-k)

y/sqr(r^2-y^2) = k / (1-k)

k: 0 -> 1

solve for x, y

Find the values of x, y

All four combinations of +, - for x and y

trigonometry

sine/cosine, solve for c/s

k = 90 - ang

sqrt(1-c^2)/c = k / (1-k)

s/sqrt(1-s^2) = k / (1-k)

where c = cosine, s = sine