

12-5; Circles in the Coordinate Plane

CA Standards: (7, 17); Properties of Circles, Equations of Circles

Equation of a circle at the origin:

$$x^2 + y^2 = r^2$$

(0, 0) are the coordinates of the center

Equation of a circle **NOT** at the origin:

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

"h" and "k" are the coordinates of the center.