

## EQUATION OF A CIRCLE

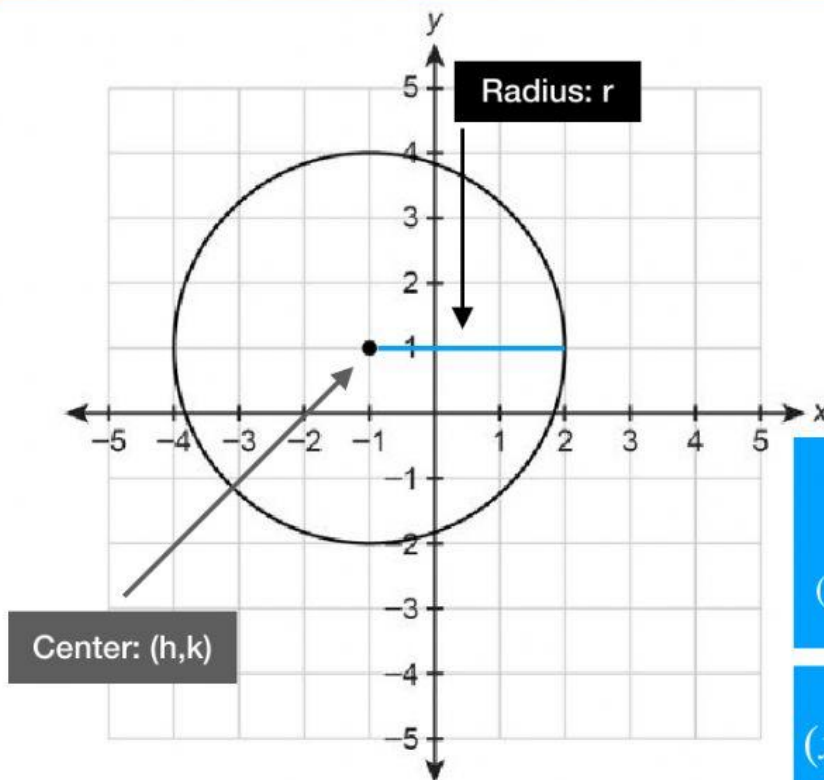
$$(x-h)^2 + (y-k)^2 = r^2$$

x coordinate  
of center

y coordinate  
of center

Radius of circle

### Example:



Center: (-1, 1)

Radius: 3

Equation:

$$(x-h)^2 + (y-k)^2 = r^2$$
$$(x - (-1))^2 + (y - 1)^2 = 3^2$$

$$(x + 1)^2 + (y - 1)^2 = 9$$