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Equation of a Circle

Equation of a Circle

Standard Form

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

(h, k) = Center of Circle

r = length of radius

Find the equation of a Circle in standard form given the following information:

1) Center (3, -4); r = 4

2) Center (-2, 5); Point on the Circle is (3, 4)

Graphing a Circle on the Coordinate Plane

$$(x - 2)^2 + (y + 1)^2 = 25$$