UNIVERSITY OF MINNESOTA
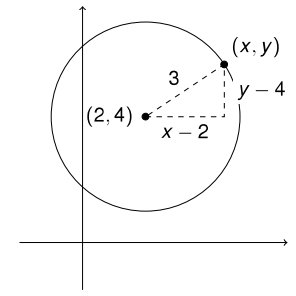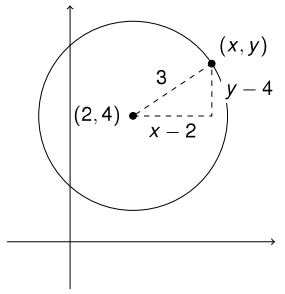
Preliminaries

- Pythagorean Theorem

Objectives

- Write the equation of a circle from a geometric description

Example 1

Example 1

$$(x - 2)^2 + (y - 4)^2 = 3^2$$

Recap

Find the equation of a circle with center at (h, k) and radius r

Equation of a Circle

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