The Equation of a Circle
Preliminaries
  • Pythagorean Theorem

Objectives
  • Write the equation of a circle from a geometric description
Example 1
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\[(x - 2)^2 + (y - 4)^2 = 3^2\]
Recap

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

**Equation of a Circle**

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