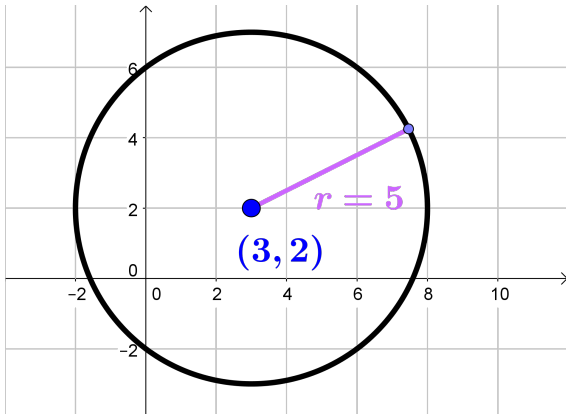


Equation of a Circle - Example 1

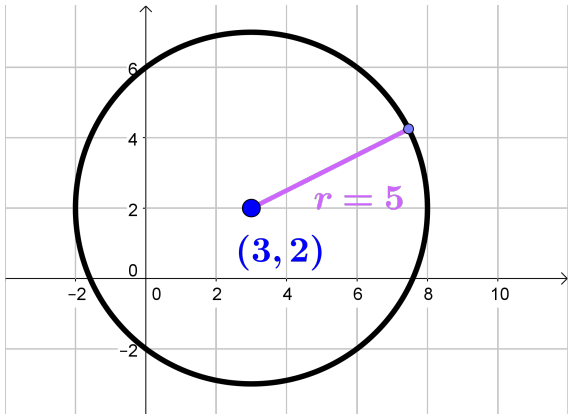
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Example: Find an equation of the circle of radius 5 and center (3, 2)



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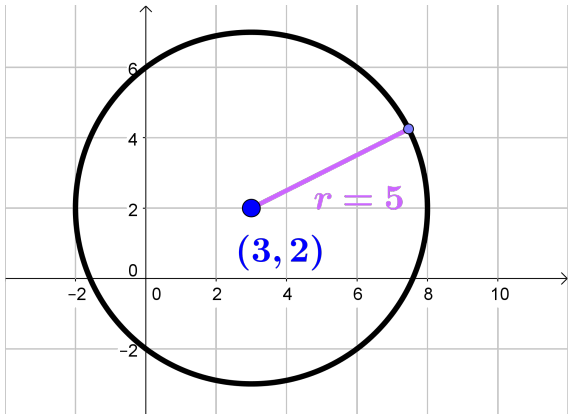
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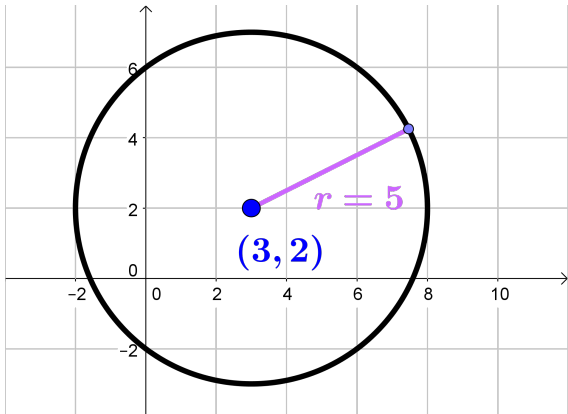
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Conclusion: The circle of **radius $r = 5$** and **center $(3, 2)$** has equation:

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Equation of a Circle - Example 1

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$$25 = (x - 3)^2 + (y - 2)^2$$