

원 위의 한 점에서의 접선의 방정식

(Equation of the tangent line meeting with a given point on the circle)

# Equation of the tangent line meeting with a given point on the circle

▶ Start

▶ End

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$$(x - x_0)^2 + (y - y_0)^2 = r^2$$

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$(x_0, y_0)$

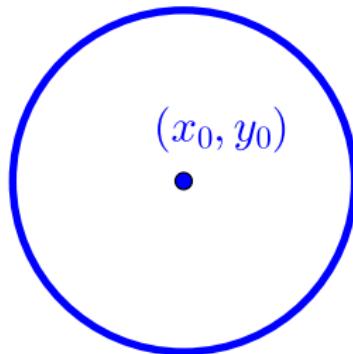


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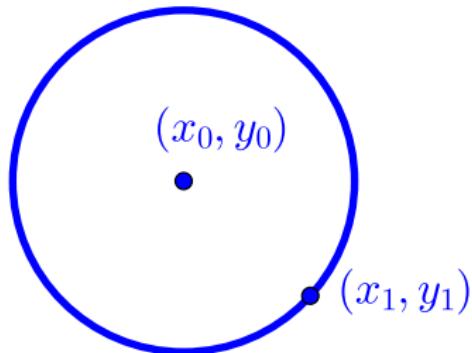


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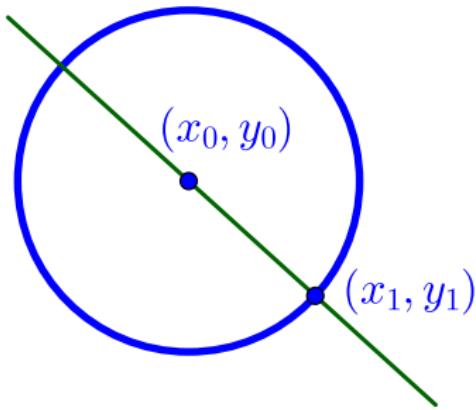


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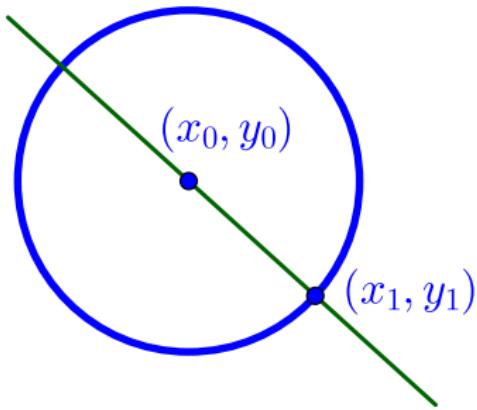


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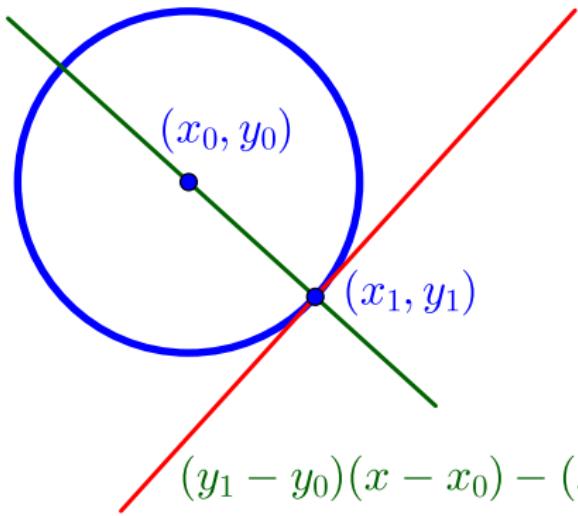
$$(y_1 - y_0)(x - x_0) - (x_1 - x_0)(y - y_0) = 0$$

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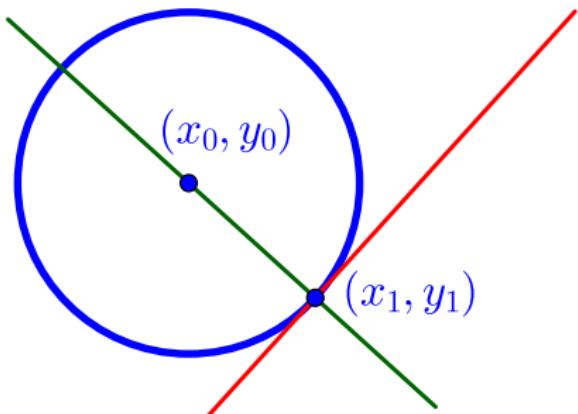
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$$(y_1 - y_0)(x - x_0) - (x_1 - x_0)(y - y_0) = 0$$

$$(x_1 - x_0)(x - x_1) + (y_1 - y_0)(y - y_1) = 0$$

Github:

<https://min7014.github.io/math20210909001.html>

Click or paste URL into the URL search bar,  
and you can see a picture moving.