원의 방정식의 일반형
(General Form of the Equation of a Circle)

General Form of the Equation of a Circle

▸ Start ▸ End

General Form of the Equation of a Circle

Start End

$$x^2 + y^2 + \mathrm{A}x + \mathrm{B}y + \mathrm{C} = 0 \ (\mathrm{A}^2 + \mathrm{B}^2 - 4\mathrm{C} > 0)$$

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$$\left(x + \frac{\mathrm{A}}{2}\right)^2 + \left(y + \frac{\mathrm{B}}{2}\right)^2 = \frac{\mathrm{A}^2 + \mathrm{B}^2 - 4\mathrm{C}}{4}$$

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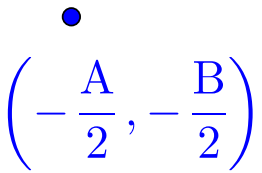

$$\left(-\frac{\mathrm{A}}{2}, -\frac{\mathrm{B}}{2}\right)$$

Centre: $\left(-\frac{\mathrm{A}}{2}, -\frac{\mathrm{B}}{2}\right)$

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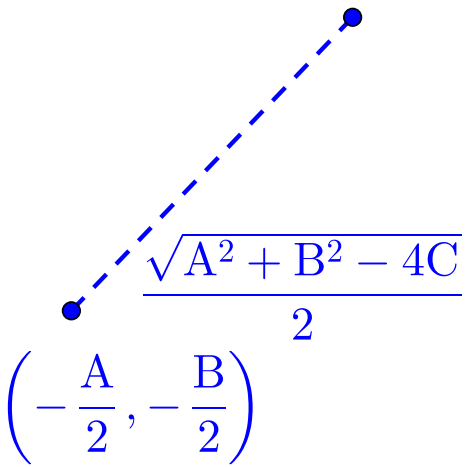

Centre: $\left(-\frac{\mathrm{A}}{2}, -\frac{\mathrm{B}}{2}\right)$

Radius : $\frac{\sqrt{\mathrm{A}^2 + \mathrm{B}^2 - 4\mathrm{C}}}{2}$

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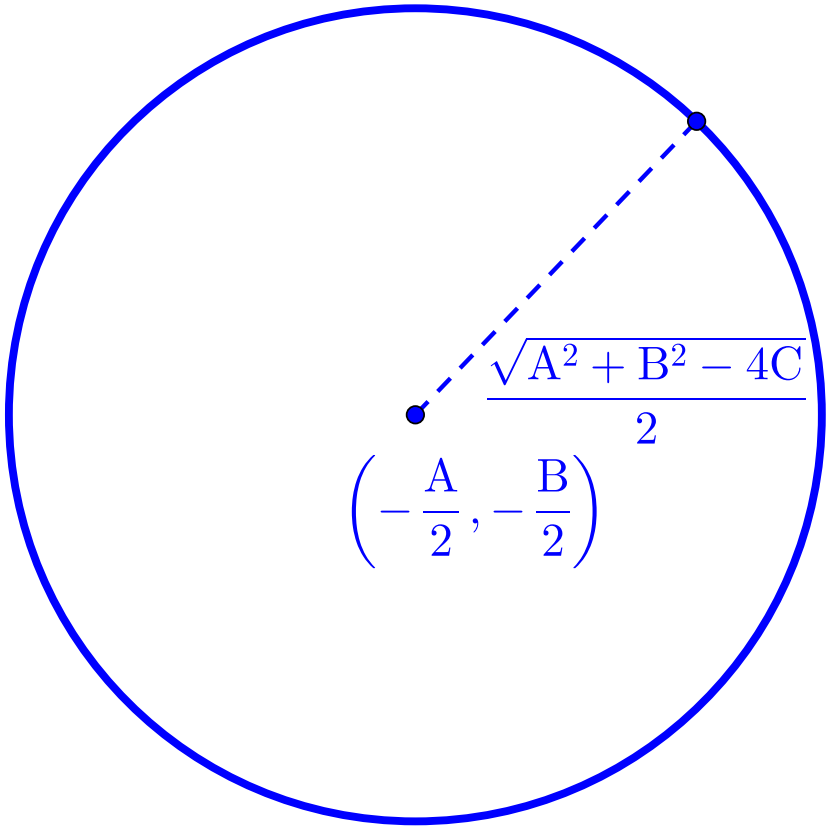

Centre: $\left(-\frac{\mathrm{A}}{2}, -\frac{\mathrm{B}}{2}\right)$

Radius : $\frac{\sqrt{\mathrm{A}^2 + \mathrm{B}^2 - 4\mathrm{C}}}{2}$

Github:
https://min7014.github.io/math20210906001.html

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