

Going Round in Circles 2

1. Complete the drawing of the graph of the equation $(x + 1)^2 + (y - 3)^2 = 9$ to show the x -axis and y -axis. Add numbers to each of these axes.

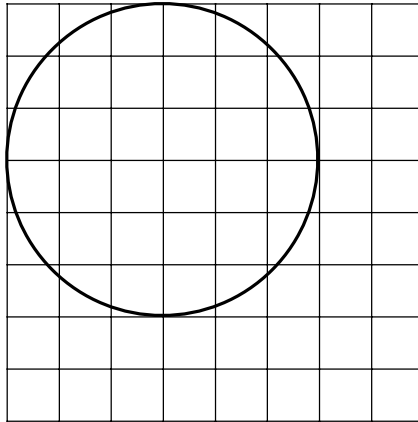


Figure out the co-ordinates of any x -intercepts and y -intercepts.

Explain your answer(s).

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2. Write an equation of a circle that has two x -intercepts, but just one y -intercept and a radius of 6.

Explain your answer.