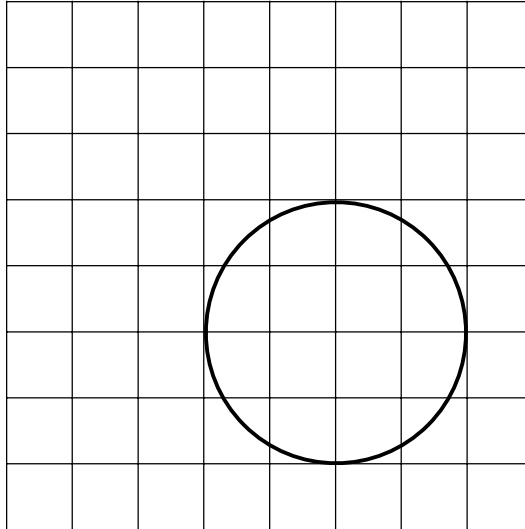


## Going Round in Circles 2 (revisited)

1. A circle has one  $x$ -intercept, two  $y$ -intercepts and a radius of 2. The coordinates of the center are integers.

Draw the  $x$ - axis and  $y$ -axis on the grid below to show a possible graph of this circle. Add numbers to each axis.



What is the equation of your graph?  
Explain your answer.

2. Figure out the co-ordinates of any  $x$ -intercepts and  $y$ -intercepts for the graph  $(x - 4)^2 + y^2 = 36$ . Explain your answer.