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- Convert the following polar coordinates to Cartesian coordinates
 - $(2, \pi/3)$
 - $(3, -3\pi/4)$
 - $(-4, 5\pi/6)$
 - Write the following Cartesian coordinates in polar coordinates in two different ways
 - $(-3, 0)$
 - $(\sqrt{3}, -1)$
 - Write the Cartesian equation for the curve $r = 4 \sin \theta$
 - Write the polar equation for the curve $x^2 + 4y^2 = 1$
 - Draw the graph of $r = 3 \cos \theta$
 - Sketch the closed curve $r = 7 \cos \left(\theta - \frac{\pi}{4} \right)$
 - Sketch the graph of $r = 2 \cos(3\theta)$
 - Sketch the graph of $r = 3 \sin(4\theta)$
 - Sketch the graph of $r = 1 - 2 \sin \theta$
 - Sketch the graph of $r = 3 + \cos \theta$