Math 201-172   Quiz 2   (A)

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Q.1: Sketch the polar graph $r^2 = \sin 2\theta$.

Q.2: Find area inside $r = 1$ and outside $r = 1 - \sin(\theta)$.

Q.3: Find slope of the tangent line to the graph of $r = 2 + \cos\theta$ at $\theta = \frac{\pi}{3}$.