## $\mathbf{MATB41} \ \mathbf{WEEK} \ \mathbf{10} \ \mathbf{QUIZ} \ \mathbf{2} \ \mathbf{LEC02}$

## Question 1

Sketch on the xy-plane the polar curves  $r=1-\sin\theta$  and  $r=\sin\theta$ . Set up the integral for the area enclosed inside both polar curves.

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