

Section 1: Polar coordinates and curves

Crucial points

- 1. Make sure you plot polar coordinates correctly**
Always make sure that you check whether r and θ are positive or negative.
- 2. Make sure you change Cartesian coordinates into polar coordinates correctly**
When finding θ , make sure that you know which quadrant the point is in.
- 3. Make sure that you sketch polar graphs correctly**
Look for any points at which r is zero or takes its maximum or minimum value. Decide whether r is increasing or decreasing between these points.