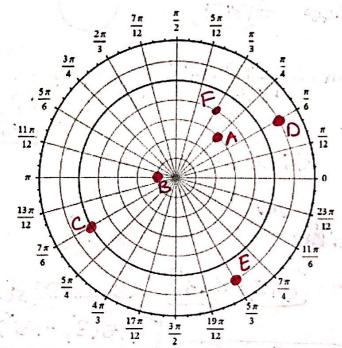
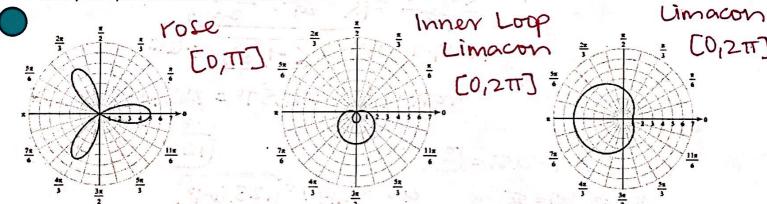
. Plot the following points on the graph below. Then convert each point to a rectangular coordinate.

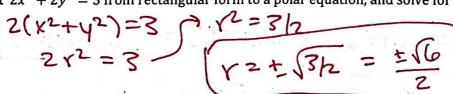


- A. (-3,-135°) B. (1,180°)
- $C.\left(-5,-\frac{11\pi}{6}\right) \quad D.\left(-6,\frac{7\pi}{6}\right)$
 - E. $\left(6, \frac{5\pi}{3}\right)$ F. $\left(-4, -120^{\circ}\right)$

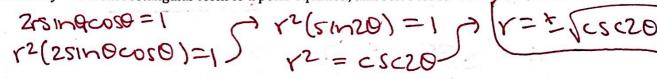
2. Classify each polar curve and state its domain.



3. Convert $2x^2 + 2y^2 = 3$ from rectangular form to a polar equation, and solve for r.



4. Convert 2xy = 1 from rectangular form to a polar equation, and solve for r.



Convert $r \sin \theta = 2$ and $r \cos \theta = -3$ to rectangular equations.

