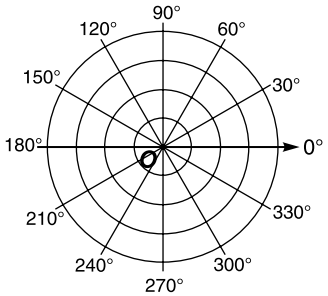
9-1

Practice

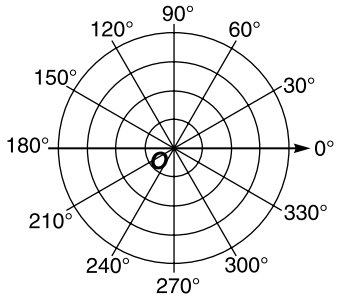
Polar Coordinates

Graph each point.

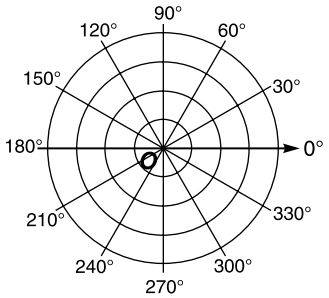
1. $(2.5, 0°)$



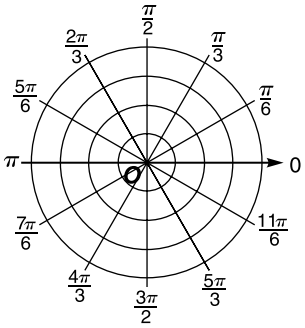
2. $(3, -135°)$



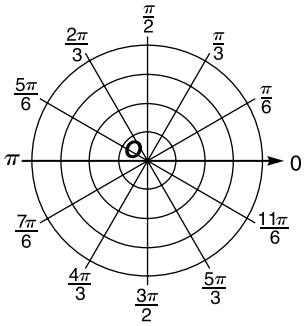
3. $(-1, -30°)$



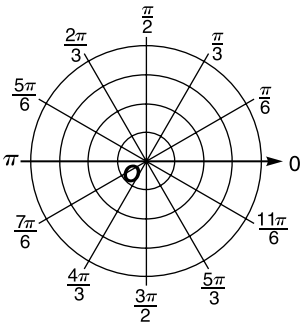
4. $\left(-2, \frac{\pi}{4}\right)$



5. $\left(1, \frac{5\pi}{4}\right)$

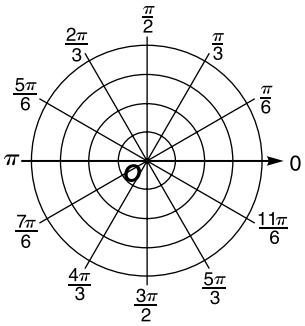


6. $\left(2, -\frac{2\pi}{3}\right)$

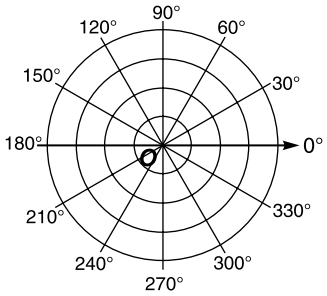


Graph each polar equation.

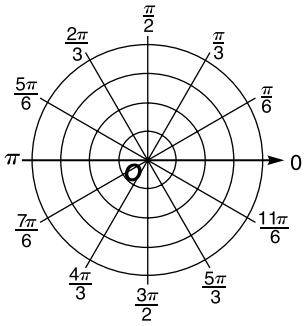
7. $r = 3$



8. $\theta = 60°$



9. $r = 4$



Find the distance between the points with the given polar coordinates.

10. $P_1(6, 90°)$ and $P_2(2, 130°)$

11. $P_1(-4, 85°)$ and $P_2(1, 105°)$