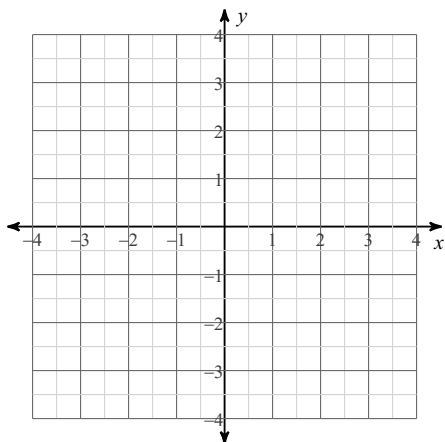


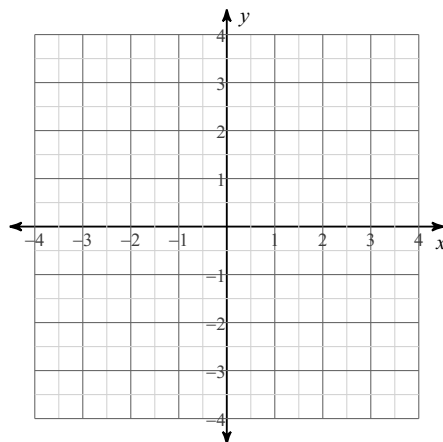
9.2 Converting Polar and Rectangular Coordinates

Convert each pair of polar coordinates to rectangular coordinates.

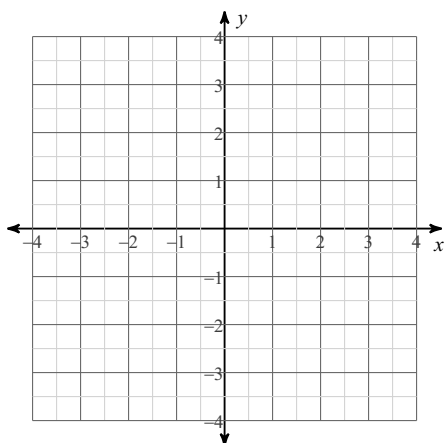
1) $\left(4, \frac{7\pi}{6}\right)$



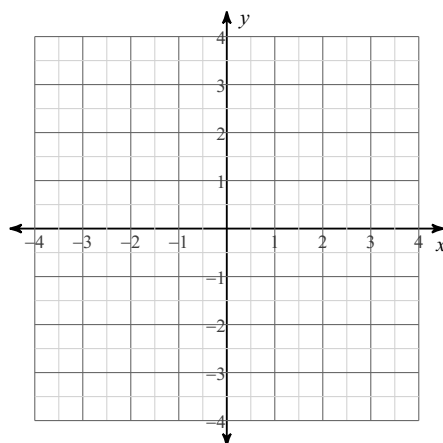
2) $\left(-4, \frac{5\pi}{3}\right)$



3) $\left(4, -\frac{11\pi}{6}\right)$

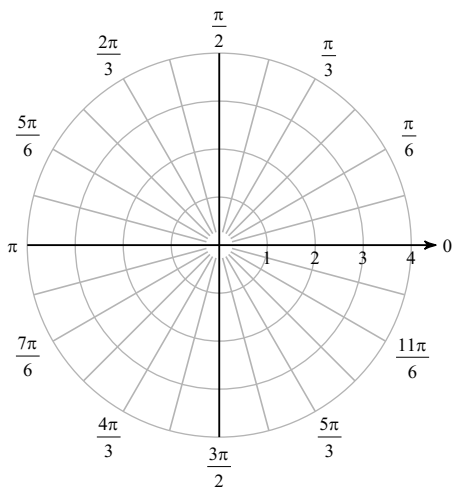


4) $\left(-2, -\frac{3\pi}{2}\right)$

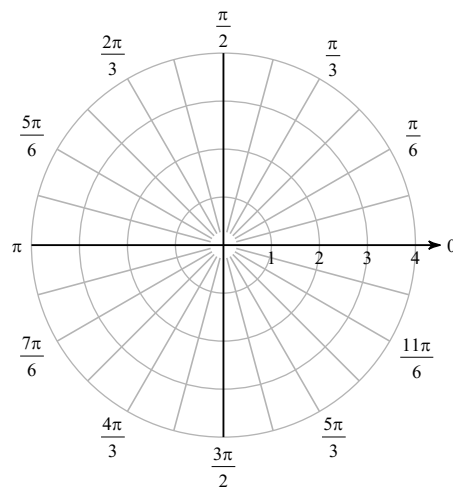


Convert each pair of rectangular coordinates to polar coordinates where $r > 0$ and $0 \leq \theta < 2\pi$.

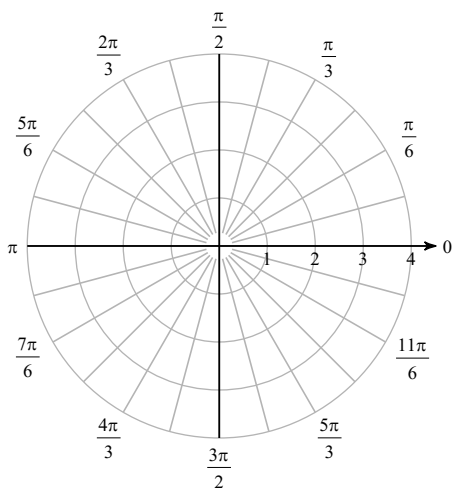
5) $(1, -\sqrt{3})$



6) $(\sqrt{2}, \sqrt{2})$



7) $(-2\sqrt{2}, -2\sqrt{2})$



8) $(-2, 2\sqrt{3})$

