Complex numbers in polar form

Recall that the polar form of complex numbers is $r(\cos\theta+i\sin\theta)$ where $r\in\mathbb{R}_+$ and $\theta\in[0,2\pi)$.

Exercise 2.5

Transform the following complex numbers from polar to standard form:

a.
$$2\left(\cos\frac{1}{3}\pi + i\sin\frac{1}{3}\pi\right)$$

b.
$$3(\cos(-\pi) + i\sin(-\pi))$$

c.
$$\cos \frac{1}{2}\pi + i \sin \frac{1}{2}\pi$$