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1) a) $\cos\left(\frac{\pi}{3}\right) = \frac{1}{2}$
b) $\sin\left(\frac{\pi}{3}\right) = \frac{\sqrt{3}}{2}$

2) $A\left(\frac{1}{2}; \frac{\sqrt{3}}{2}\right)$

3) a) $\cos\left(\frac{2\pi}{3}\right) = -\frac{1}{2}$

b) $\sin\left(-\frac{\pi}{3}\right) = -\frac{\sqrt{3}}{2}$

c) $\cos\left(\frac{\pi}{4}\right) = \frac{\sqrt{2}}{2}$

d) $\sin\left(\frac{3\pi}{4}\right) = \frac{\sqrt{2}}{2}$

e) $\cos\left(-\frac{2\pi}{3}\right) = -\frac{1}{2}$