

Quiz 4 Solutions - Math 112, Sections 20-22

Calculators are **not** allowed for this exam. Please mark your final answers clearly. Give exact answers. The points are NOT drawn below, but I assume you guys can figure it out.

1. The following table has labels and real numbers. On the unit circle below, mark and label the terminal point determined by the number on the circle, give the reference number, and give the coordinates of the terminal point. The first one is done for you as an example.

Label	Value	Reference Number	Coordinates
A	0	0	(1,0)
B	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$
C	$\frac{5\pi}{4}$	$\frac{\pi}{4}$	$\left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$
D	$\frac{11\pi}{6}$	$\frac{\pi}{6}$	$\left(\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$
E	$\frac{2\pi}{3}$	$\frac{\pi}{3}$	$\left(-\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$
F	7π	0	(-1, 0)
G	$\frac{10\pi}{4}$	$\frac{\pi}{2}$	(0, 1)
H	$\frac{4\pi}{3}$	$\frac{\pi}{3}$	$\left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$
I	$\frac{7\pi}{4}$	$\frac{\pi}{4}$	$\left(\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$