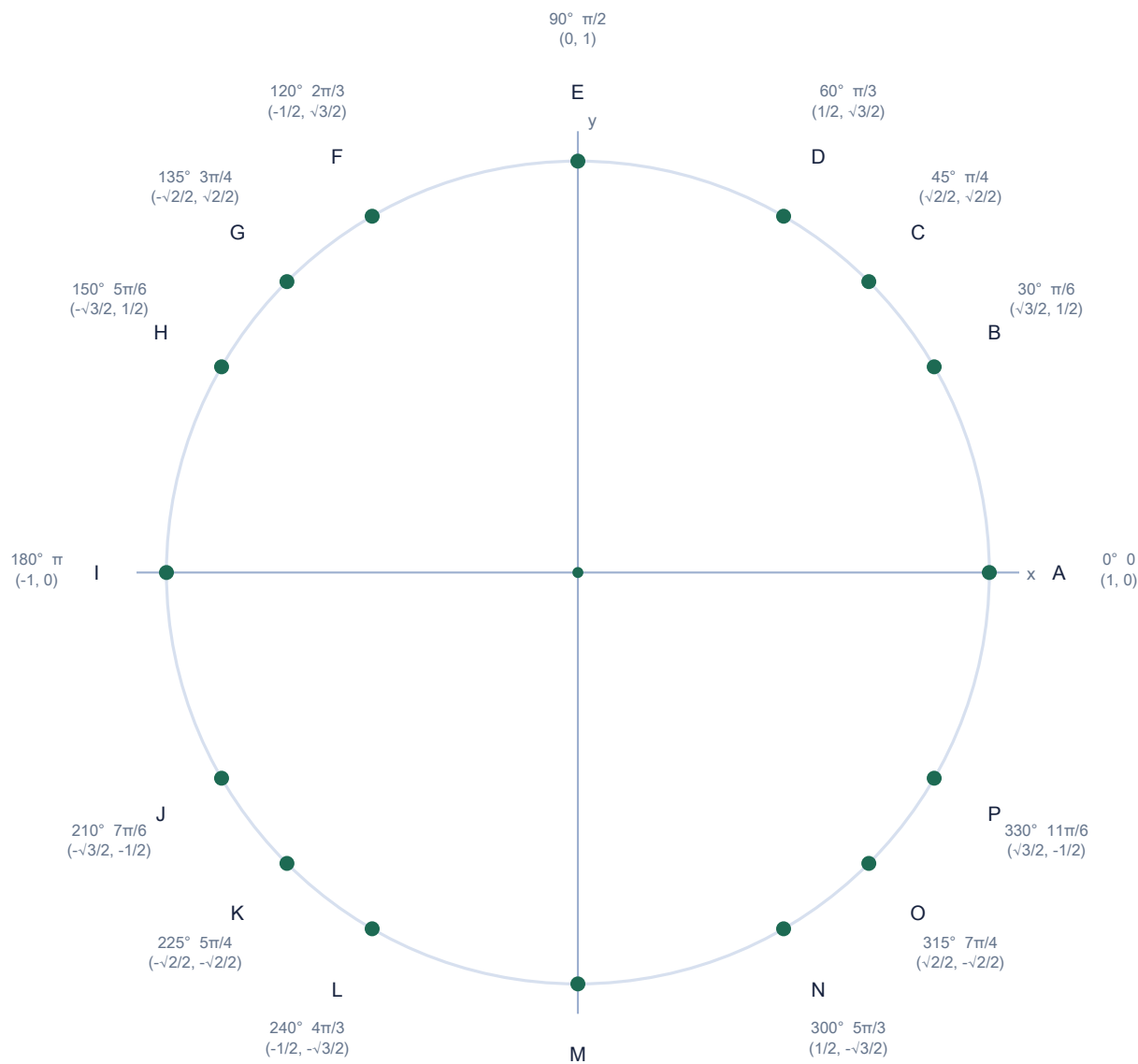


Blank Unit Circle Answer Key

All 16 standard angles with degrees, radians, and exact coordinates.



Deg	Radians	Coordinates	sin A	cos A	tan A
0°	0	(1, 0)	0	1	0
30°	$\pi/6$	$(\sqrt{3}/2, 1/2)$	1/2	$\sqrt{3}/2$	$\sqrt{3}/3$
45°	$\pi/4$	$(\sqrt{2}/2, \sqrt{2}/2)$	$\sqrt{2}/2$	$\sqrt{2}/2$	1
60°	$\pi/3$	$(1/2, \sqrt{3}/2)$	$\sqrt{3}/2$	1/2	$\sqrt{3}$
90°	$\pi/2$	(0, 1)	1	0	undefined
120°	$2\pi/3$	$(-1/2, \sqrt{3}/2)$	$\sqrt{3}/2$	-1/2	$-\sqrt{3}$
135°	$3\pi/4$	$(-\sqrt{2}/2, \sqrt{2}/2)$	$\sqrt{2}/2$	$-\sqrt{2}/2$	-1
150°	$5\pi/6$	$(-\sqrt{3}/2, 1/2)$	1/2	$-\sqrt{3}/2$	$-\sqrt{3}/3$
180°	π	(-1, 0)	0	-1	0
210°	$7\pi/6$	$(-\sqrt{3}/2, -1/2)$	-1/2	$-\sqrt{3}/2$	$\sqrt{3}/3$
225°	$5\pi/4$	$(-\sqrt{2}/2, -\sqrt{2}/2)$	$-\sqrt{2}/2$	$-\sqrt{2}/2$	1
240°	$4\pi/3$	$(-1/2, -\sqrt{3}/2)$	$-\sqrt{3}/2$	-1/2	$\sqrt{3}$
270°	$3\pi/2$	(0, -1)	-1	0	undefined
300°	$5\pi/3$	$(1/2, -\sqrt{3}/2)$	$-\sqrt{3}/2$	1/2	$-\sqrt{3}$
315°	$7\pi/4$	$(\sqrt{2}/2, -\sqrt{2}/2)$	$-\sqrt{2}/2$	$\sqrt{2}/2$	-1
330°	$11\pi/6$	$(\sqrt{3}/2, -1/2)$	-1/2	$\sqrt{3}/2$	$-\sqrt{3}/3$