

Fill in the first three columns of the following table. We will fill in the last three columns next week as another in-class activity. That part will be worth 16 points. You will be able to use this as a reference sheet for homework, projects, and in-class activities (but not quizzes or tests).

Fraction of a full revolution	θ in degrees (use $^\circ$ symbol)	θ in radians (express in terms of π)	$\sin(\theta)$ in exact form	$\cos(\theta)$ in exact form	$\tan(\theta)$ in exact form
0	0°	0	0	1	0
$\frac{1}{12}$	30°	$\frac{\pi}{6}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$
$\frac{1}{8}$	45°	$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1
$\frac{1}{6}$	60°	$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$
$\frac{1}{4}$	90°	$\frac{\pi}{2}$	1	0	undefined
$\frac{1}{3}$	120°	$\frac{2\pi}{3}$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$-\sqrt{3}$
$\frac{3}{8}$	135°	$\frac{3\pi}{4}$	$\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	-1
$\frac{5}{12}$	150°	$\frac{5\pi}{6}$	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{\sqrt{3}}$
$\frac{1}{2}$	180°	π	0	-1	0
$\frac{7}{12}$	210°	$\frac{7\pi}{6}$	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$
$\frac{5}{8}$	225°	$\frac{5\pi}{4}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	1
$\frac{2}{3}$	240°	$\frac{4\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$\sqrt{3}$
$\frac{3}{4}$	270°	$\frac{3\pi}{2}$	-1	0	undefined
$\frac{5}{6}$	300°	$\frac{5\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\sqrt{3}$
$\frac{7}{8}$	315°	$\frac{7\pi}{4}$	$-\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	-1
$\frac{11}{12}$	330°	$\frac{11\pi}{6}$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{\sqrt{3}}$
1	360°	2π	0	1	0

↑
 $\frac{1}{2}$ pt for each

↖ ↗
 1 pt for each

$\frac{1}{3}$ pt each—but I rounded up to the next $\frac{1}{2}$ pt for your score.