

Directions – Find the exact value using your Unit Circle Sheet. NO DECIMALS!!!!

1.) $\tan 135^\circ = \boxed{-1}$ <i>45 II -</i>	2.) $\cos 330^\circ = \boxed{\frac{\sqrt{3}}{2}}$ <i>30 IV +</i>	3.) $\sin 180^\circ = \boxed{0}$ <i>(-1, 0)</i>	4.) $\tan 120^\circ = \boxed{\sqrt{3}}$ <i>60 III +</i>
5.) $\sin 150^\circ = \boxed{\frac{1}{2}}$ <i>30 II +</i>	6.) $\cos 315^\circ = \boxed{\frac{\sqrt{2}}{2}}$ <i>45 I +</i>	7.) $\tan 45^\circ = \boxed{1}$ <i>(0, 1) = 1</i>	8.) $\sin 300^\circ = \boxed{-\frac{\sqrt{3}}{2}}$ <i>60 IV -</i>
9.) $\cos -720^\circ = \boxed{1}$ <i>(1, 0)</i>	10.) $\tan 870^\circ = \boxed{-\frac{\sqrt{3}}{3}}$ <i>30 II -</i>	11.) $\sin 630^\circ = \boxed{-1}$ <i>(0, -1)</i>	12.) $\cos -240^\circ = \boxed{-\frac{1}{2}}$ <i>60 II -</i>
13.) $\tan\left(\frac{7\pi}{6}\right) = \boxed{\frac{\sqrt{3}}{3}}$ <i>30 III +</i>	14.) $\sin\left(\frac{3\pi}{4}\right) = \boxed{\frac{\sqrt{2}}{2}}$ <i>45 II +</i>	15.) $\cos\left(-\frac{\pi}{2}\right) = \boxed{0}$ <i>(0, -1)</i>	16.) $\sin\left(\frac{11\pi}{6}\right) = \boxed{-\frac{1}{2}}$ <i>30 IV -</i>
17.) $\cos(\pi) = \boxed{-1}$ <i>(-1, 0)</i>	18.) $\tan\left(\frac{7\pi}{2}\right) = \boxed{\text{undefined}}$ <i>(0, -1) = -1/0</i>	19.) $\sin\left(-\frac{11\pi}{4}\right) = \boxed{-\frac{\sqrt{2}}{2}}$ <i>45 III -</i>	20.) $\tan\left(\frac{17\pi}{3}\right) = \boxed{\sqrt{3}}$ <i>60 IV -</i>
21.) $\sin\left(-\frac{29\pi}{6}\right) = \boxed{-\frac{1}{2}}$ <i>30 III -</i>	22.) $\cos\left(\frac{8\pi}{3}\right) = \boxed{-\frac{\sqrt{3}}{2}}$ <i>60 II -</i>	23.) $\tan(-4\pi) = \boxed{0}$ <i>(1, 0) = 0/1</i>	24.) $\sin\left(-\frac{9\pi}{4}\right) = \boxed{-\frac{\sqrt{2}}{2}}$ <i>45 IV -</i>