Advanced Functions – 8.2 WS: Exact Value Name: Key

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

1.) $\tan 135° =$ -1 II 45° −	2.) $\cos 330° =$ $\frac{\sqrt{3}}{2}$ IV 30 +	3.) $\sin 180° =$ 0 $(-1, 0)$	4.) $\tan -120° =$ $\sqrt{3}$ 240 III 60 +
5.) $\sin 510° =$ $\frac{1}{2}$ 150 II 30 +	6.) $\cos -315° =$ $\frac{\sqrt{2}}{2}$ 45 I 45 +	7.) $\tan 450° =$ $\varnothing$ 90 $(0, 1) = \frac{1}{0}$	8.) $\sin 300° =$ $\frac{-\sqrt{3}}{2}$ IV 60 −
9.) $\cos -720° =$ 1 0 $(1, 0)$	10.) $\tan 870° =$ $\frac{-\sqrt{3}}{3}$ 150 II 30 −	11.) $\sin 630° =$ -1 270 $(0, -1)$	12.) $\cos -240° =$ $\frac{-1}{2}$ 120 II 60 −
13.) $\tan\left(\frac{7\pi}{6}\right) =$ $\frac{\sqrt{3}}{3}$ 210 III 30 +	14.) $\sin\left(\frac{3\pi}{4}\right) =$ $\frac{\sqrt{2}}{2}$ 135 II 45 +	15.) $\cos\left(-\frac{\pi}{2}\right) =$ 0 270 $(0, -1)$	16.) $\sin\left(\frac{11\pi}{6}\right) =$ $\frac{-1}{2}$ 330 IV 30 −
17.) $\cos(\pi) =$ -1 180 $(-1, 0)$	18.) $\tan\left(\frac{7\pi}{2}\right) =$ $\varnothing$ 270 $(0, -1) = \frac{-1}{0}$	19.) $\sin\left(-\frac{11\pi}{4}\right) =$ $\frac{-\sqrt{2}}{2}$ 225 III 45	20.) $\tan\left(\frac{17\pi}{3}\right) =$ $-\sqrt{3}$ 300 IV 60 −
21.) $\sin\left(-\frac{29\pi}{6}\right) =$ $\frac{-1}{2}$ 210 III 30 −	22.) $\cos\left(\frac{8\pi}{3}\right) =$ $-\frac{1}{2}$ 120 II 60 −	23.) $\tan(-4\pi) =$ 0 0 $(1, 0) = \frac{0}{1}$	24.) $\sin\left(-\frac{9\pi}{4}\right) =$ $\frac{-\sqrt{2}}{2}$ 315 IV 45 −