

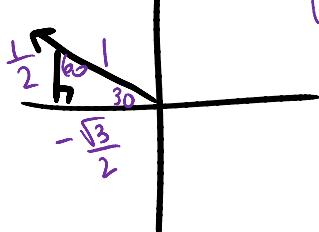
Key

Algebra 2 Trig G 13.3

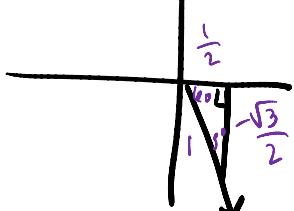
Unit Circle

Part I Find each. Draw a triangle for each.

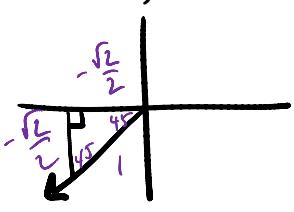
1) $\sin 150^\circ = \boxed{\frac{1}{2}}$



3) $\cos 300^\circ = \boxed{\frac{1}{2}}$



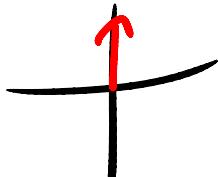
5) $\sec 225^\circ \quad \cos 225^\circ = -\frac{\sqrt{2}}{2}$



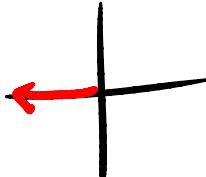
$\sec = \boxed{-\frac{2}{\sqrt{2}}}$

Part II Quadrantal Angles. Find each. Draw a triangle for each. use calculator!

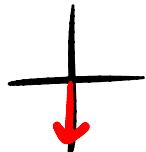
7) $\sin 90^\circ = \boxed{1}$



8) $\cos 180^\circ = \boxed{-1}$



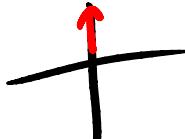
9) $\tan 270^\circ = \boxed{\emptyset}$



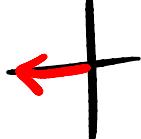
10) $\cos 360^\circ = \boxed{1}$



11) $\tan 90^\circ = \boxed{\text{undefined}}$



12) $\tan 180^\circ = \boxed{0}$



Part III Evaluate. Draw a labeled reference triangle for each.

