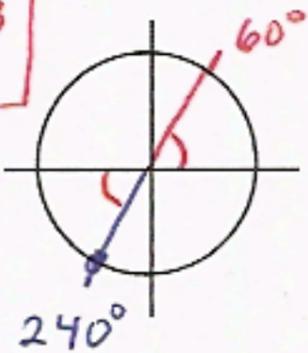
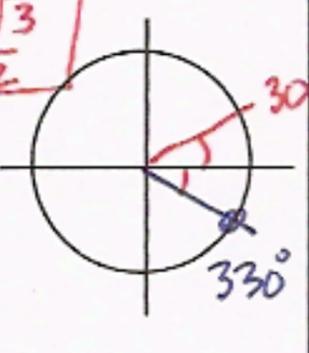
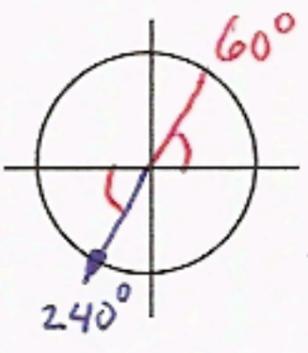
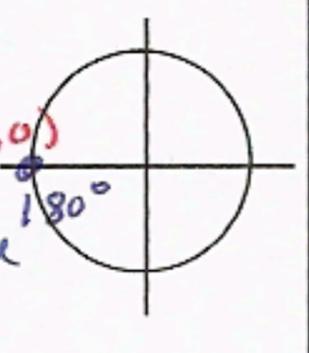
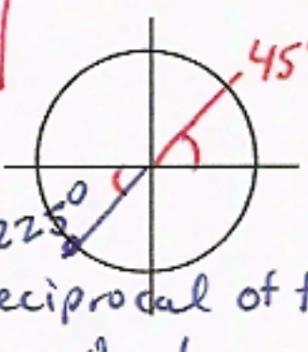
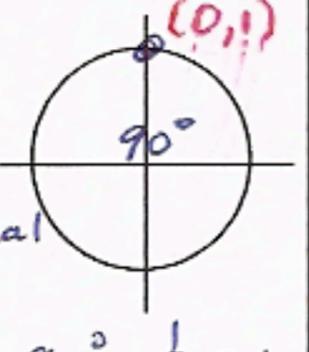
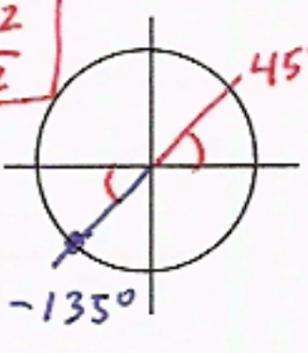
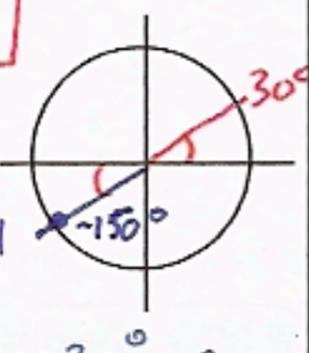
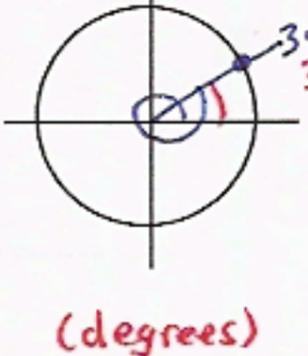
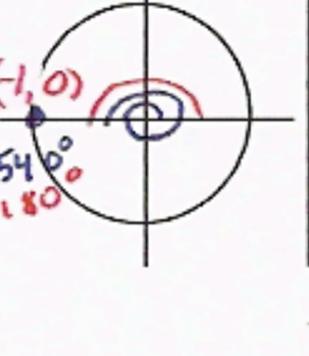


<p>1. $\sin(240^\circ) = \boxed{-\frac{\sqrt{3}}{2}}$</p> <p>a) 240° in Q III, related to 60°</p> <p>b) sine is negative in Q III, and</p> <p>c) $\sin 60^\circ = \frac{\sqrt{3}}{2}$</p> 	<p>2. $\cos(330^\circ) = \boxed{+\frac{\sqrt{3}}{2}}$</p> <p>a) 330° in Q IV related to 30°</p> <p>b) cosine is positive in Q IV, and</p> <p>c) $\cos(30^\circ) = \frac{\sqrt{3}}{2}$</p> 
<p>3. $\tan(240^\circ) = \boxed{+\sqrt{3}}$</p> <p>a) 240° in Q III related to 60°</p> <p>b) tangent is positive in Q III, and</p> <p>c) $\tan 60^\circ = \sqrt{3}$</p> 	<p>4. $\sec(180^\circ) = \boxed{-1}$</p> <p>a) 180° is on neg. x-axis</p> <p>b) $\sec \theta$ is reciprocal of $\cos \theta$;</p> <p>c) $\cos 180^\circ = -1$, so $\sec 180^\circ = \frac{1}{-1} = -1$</p> 
<p>5. $\cot(225^\circ) = \boxed{+1}$</p> <p>a) 225° in Q III related to 45°</p> <p>b) $\cot(\theta)$ is pos. in Q III and is reciprocal of $\tan \theta$;</p> <p>c) $\tan 45^\circ = 1$, so $\cot 45^\circ = \frac{1}{1} = 1$.</p> 	<p>6. $\csc(90^\circ) = \boxed{+1}$</p> <p>a) 90° is on pos. y-axis</p> <p>b) $\csc \theta$ is reciprocal of $\sin \theta$;</p> <p>c) $\sin 90^\circ = 1$, so $\csc 90^\circ = \frac{1}{1} = 1$.</p> 
<p>7. $\cos(-135^\circ) = \boxed{-\frac{\sqrt{2}}{2}}$</p> <p>a) -135° in Q III related to 45°</p> <p>b) $\cos \theta$ is neg. in Q III;</p> <p>c) $\cos 45^\circ = \frac{\sqrt{2}}{2}$</p> 	<p>8. $\csc(-150^\circ) = \boxed{-2}$</p> <p>a) -150° in Q III related to 30°</p> <p>b) $\csc \theta$ is reciprocal of $\sin \theta$;</p> <p>c) $\sin 30^\circ = \frac{1}{2}$, so $\csc 30^\circ = 2$, but is negative in Q III</p> 
<p>9. $\tan(390^\circ) = \boxed{+\frac{\sqrt{3}}{3}}$</p> <p>a) 390° is 30° more than 360°, so it is in Q I (positive)</p> <p>b) $\tan 30^\circ = \frac{\sqrt{3}}{3}$</p> <p>(degrees)</p> 	<p>10. $\sin(540^\circ) = \boxed{0}$</p> <p>a) $540^\circ - 360^\circ = 180^\circ$</p> <p>b) $\sin \theta$ is y, so $\sin 180^\circ = 0$</p> 

Note: The arguments for these were random, and we didn't see some trig values, such as any UNDEFINED. However, be ready for anything.