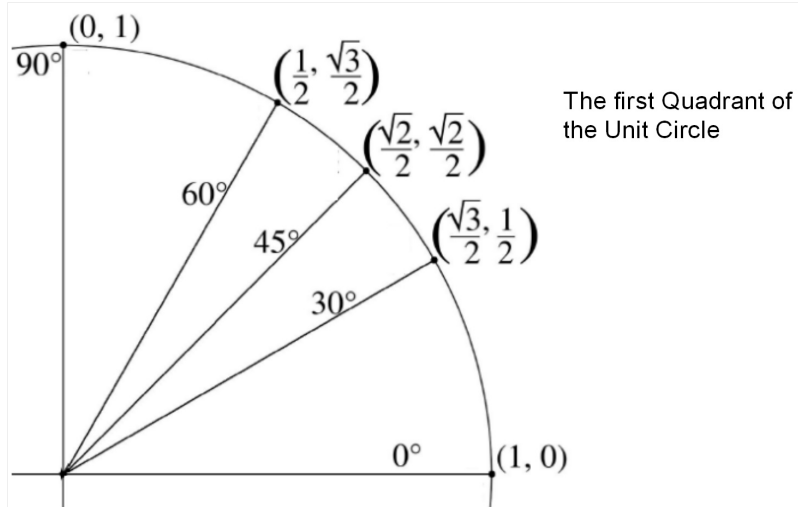
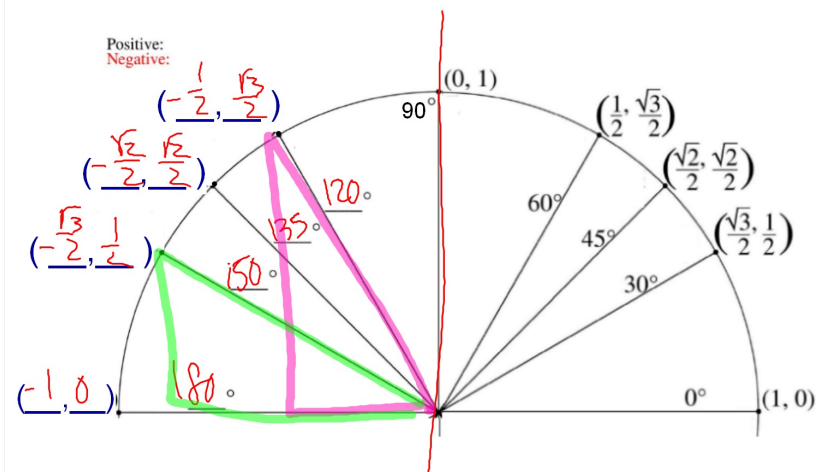


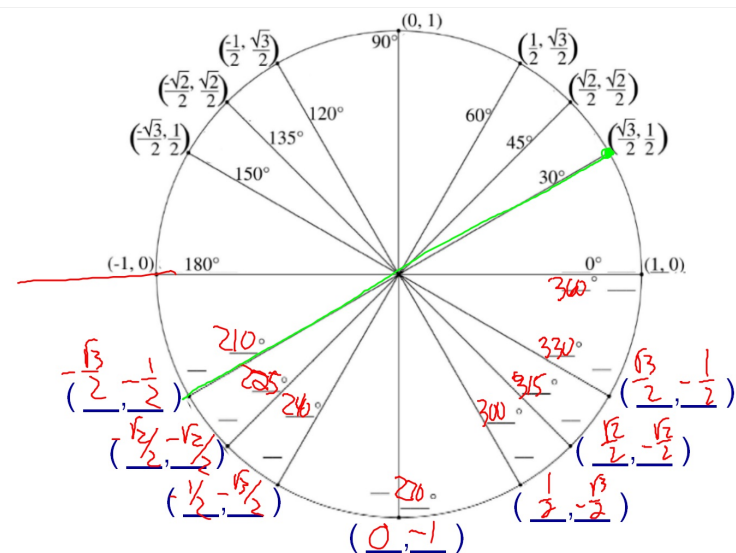


The Second Quadrant of the Unit Circle.



Find the exact value of each:

- | | | | |
|---------------------|-----------------------|---------------------|-----------------------|
| 1. $\cos 120^\circ$ | $-\frac{1}{2}$ | 5. $\tan 135^\circ$ | -1 |
| 2. $\sin 135^\circ$ | $\frac{\sqrt{2}}{2}$ | 6. $\sin 180^\circ$ | 0 |
| 3. $\tan 150^\circ$ | $-\frac{\sqrt{3}}{3}$ | 7. $\cos 135^\circ$ | $-\frac{\sqrt{2}}{2}$ |
| 4. $\cos 180^\circ$ | -1 | 8. $\tan 180^\circ$ | 0 |



Find the exact value of each:

9. $\cos 270^\circ = 0$

10. $\tan 210^\circ = \frac{y}{x} = +\frac{\sqrt{3}}{3}$

11. $\sin 240^\circ = -\frac{\sqrt{3}}{2}$

12. $\sin 45^\circ = +\frac{\sqrt{2}}{2}$

13. $\tan(-405^\circ) = -1$
 $\frac{+360}{-45}$

14. $\cos 510^\circ$
 $\frac{-360}{\cos 150} = -\frac{\sqrt{3}}{2}$

15. $\cos 1410^\circ$
 $\frac{-1080}{\cos 330} = +\frac{\sqrt{3}}{2}$

16. $\tan(-780^\circ)$
 $\frac{\tan(-60)}{\tan 300} = -1$