

## The iOS Compass App Tutorial

The iOS Compass App Tutorial will teach you the following:

- Part 1: Opening the Compass App
  - Part 2: Using the Compass App
  - Part 3: Locating Your Current Position
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### Part 1: Opening the Compass App

The Compass app is an app created by Apple that mimics the function and appearance of an actual compass. This app is helpful for navigation and locating your current position.

To open the Compass app, first locate the Compass app on your phone. It should already be installed. The Compass app's icon looks like the face of a compass and the app has the name "Compass" below the icon.

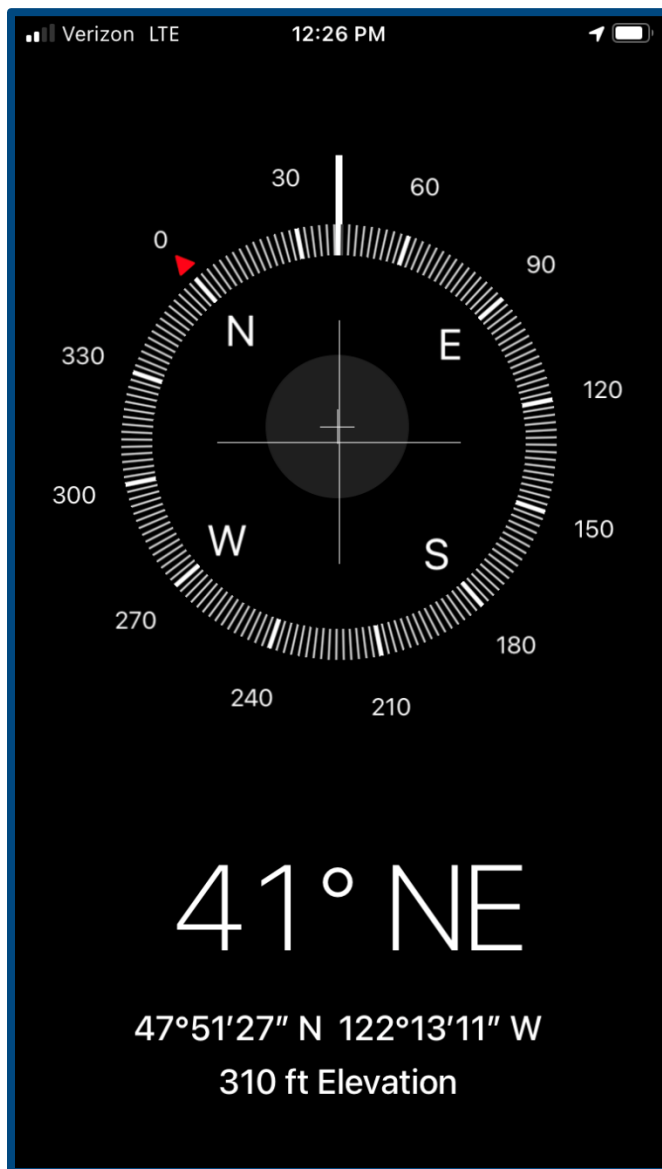


*The Compass app's icon and name.*

Now tap the icon to open the app.

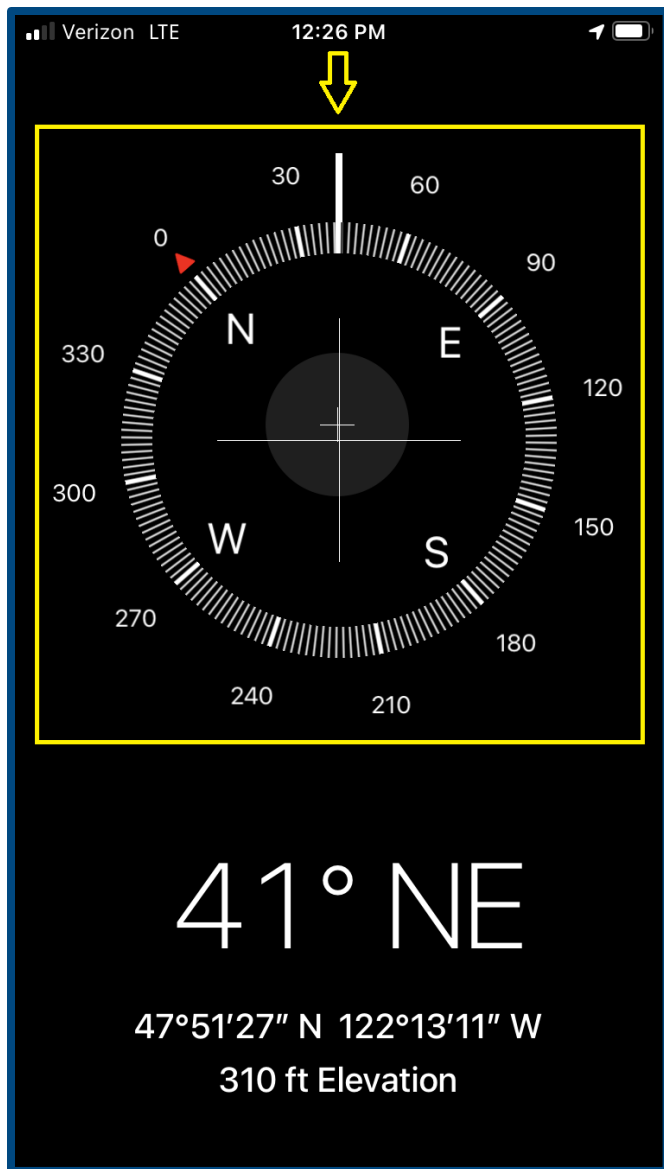
## Part 2: Using the Compass App

Once the Compass app is open, you should see a screen that resembles the face of a compass with some data about your current location below it.



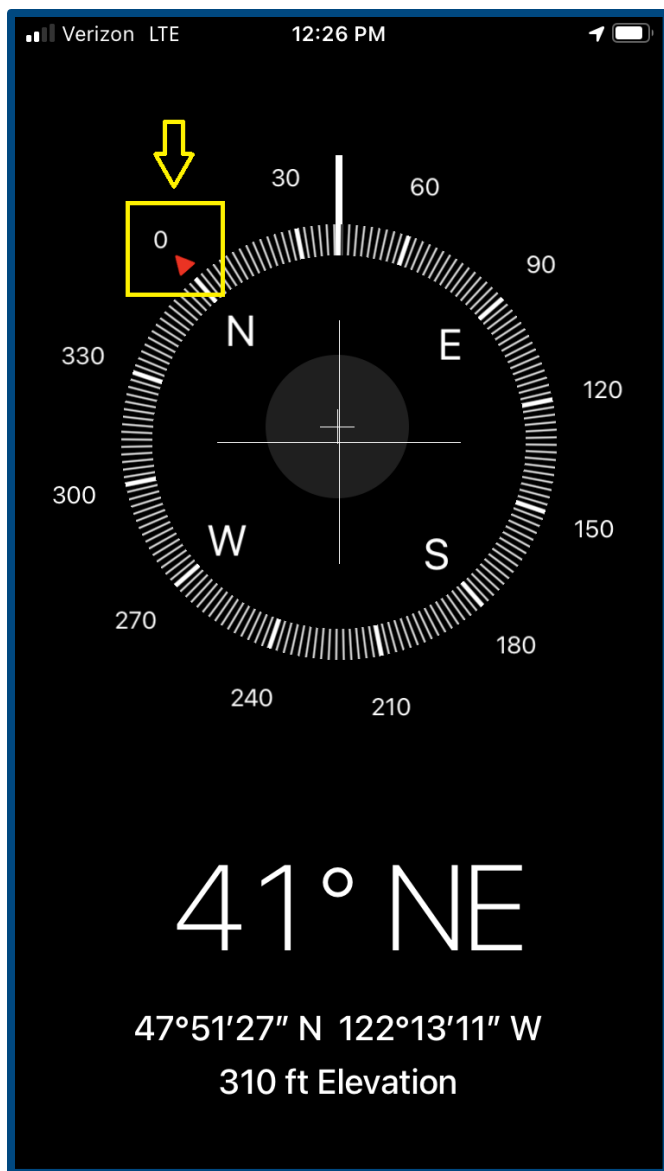
*The Compass app's screen.*

The top half of the screen shows the cardinal directions of north, east, south, and west in a 360-degree circle.



*The main compass showing the cardinal directions and their corresponding degrees.*

Zero degrees north is depicted as a red triangle pointing to "0" (zero).



*Zero degrees north has a red triangle pointing to "0" (zero).*

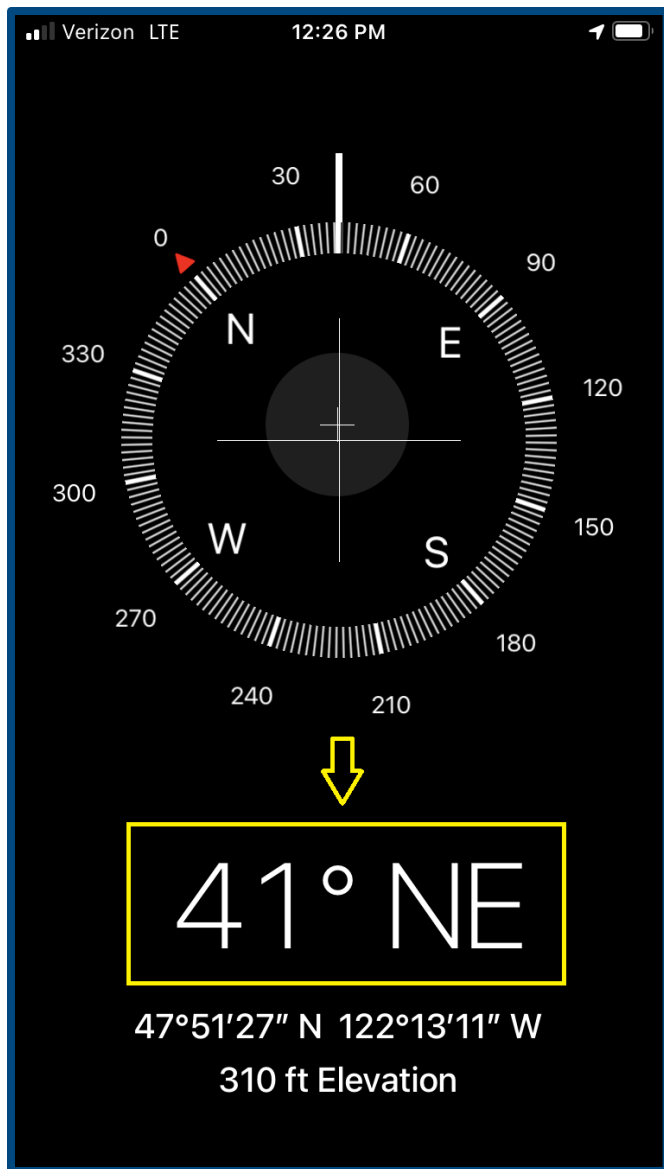
The direction your phone is facing is shown as a thick white line extending from the circle of degrees.



*The thick white line denotes what direction you are currently facing.*

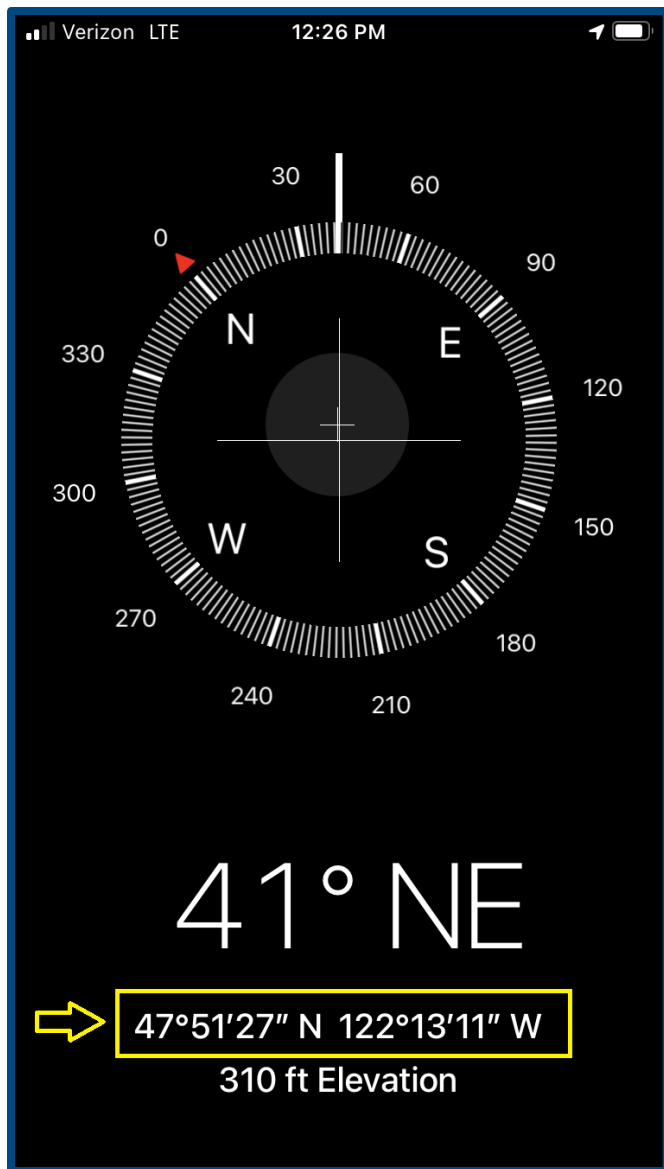
The bottom half of the screen describes your geographical location.

The direction your phone is facing and the degree value of that direction is listed first.



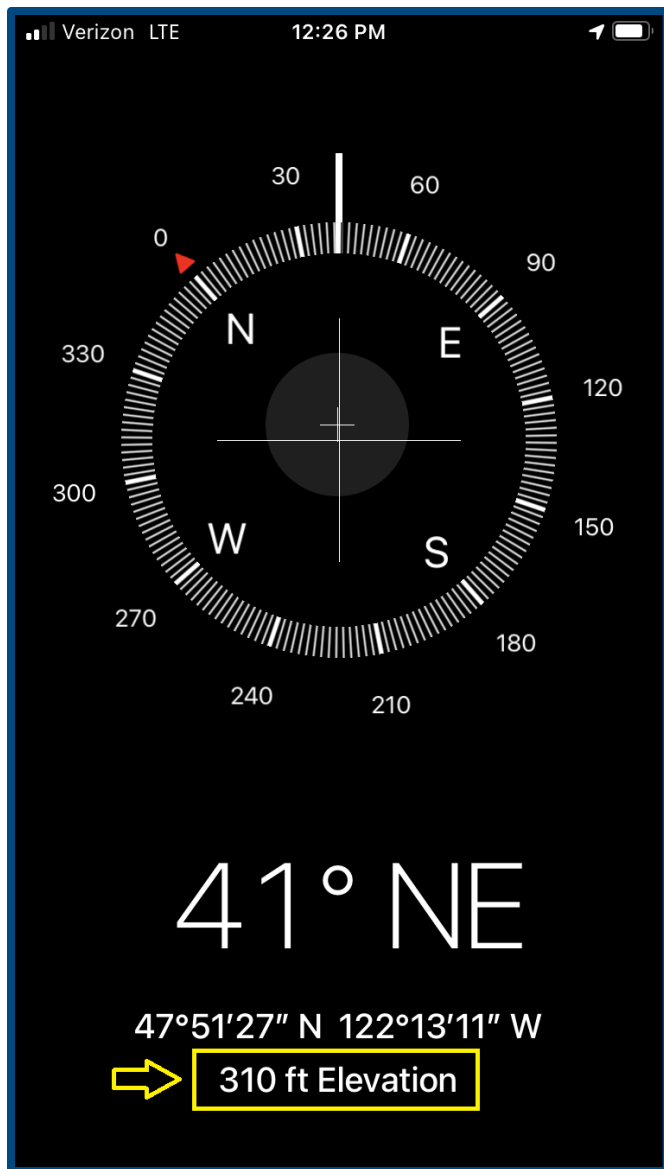
*The current direction your phone is facing.*

Next are the latitude and longitude coordinates of your location. The city and state you are currently located in may also be displayed underneath these coordinates if your phone is able to identify that information.



*The geographic coordinates of your location. If the city and state can be identified, they would be listed underneath these coordinates.*

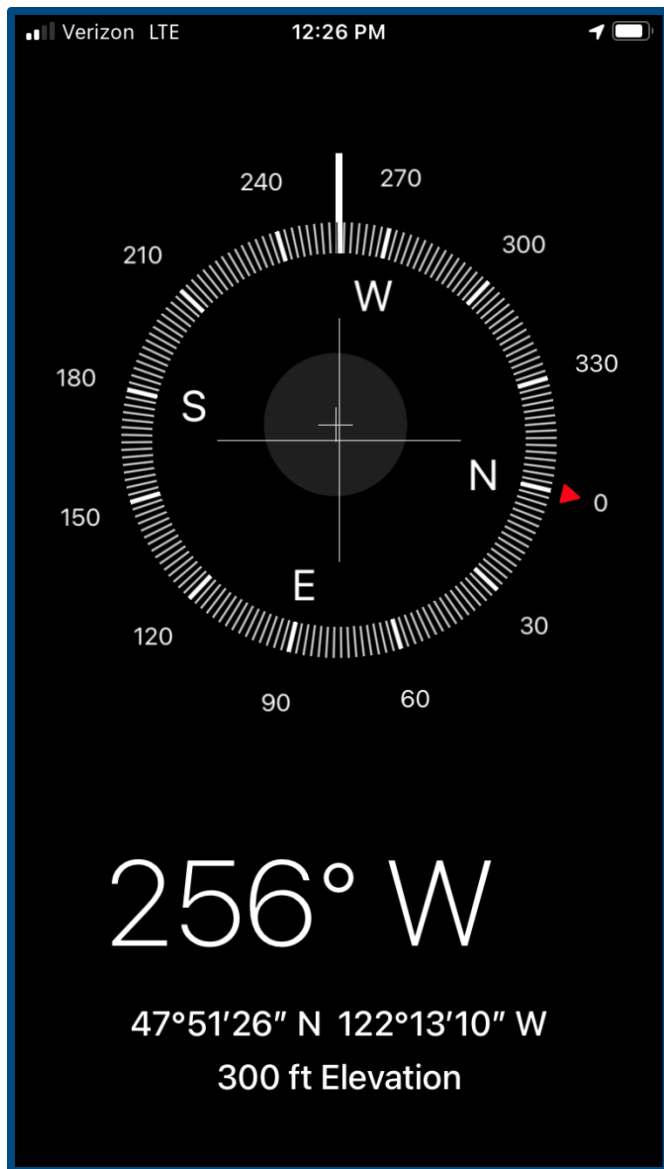
Finally, the elevation of your current location is listed.



*Your current elevation is shown last.*

To change the direction your phone is facing, first place your phone flat in the palm of your hand with the screen facing up. Next, while keeping the phone flat in your palm, slowly move your arm in a half-circle. Notice how the thick white line showing your phone's current direction has moved around the circle of degrees. Also notice that the direction listed at the bottom half of the screen changed to reflect where the thick white line is now. Try and see if you can make the thick white line complete a 360-degree rotation.



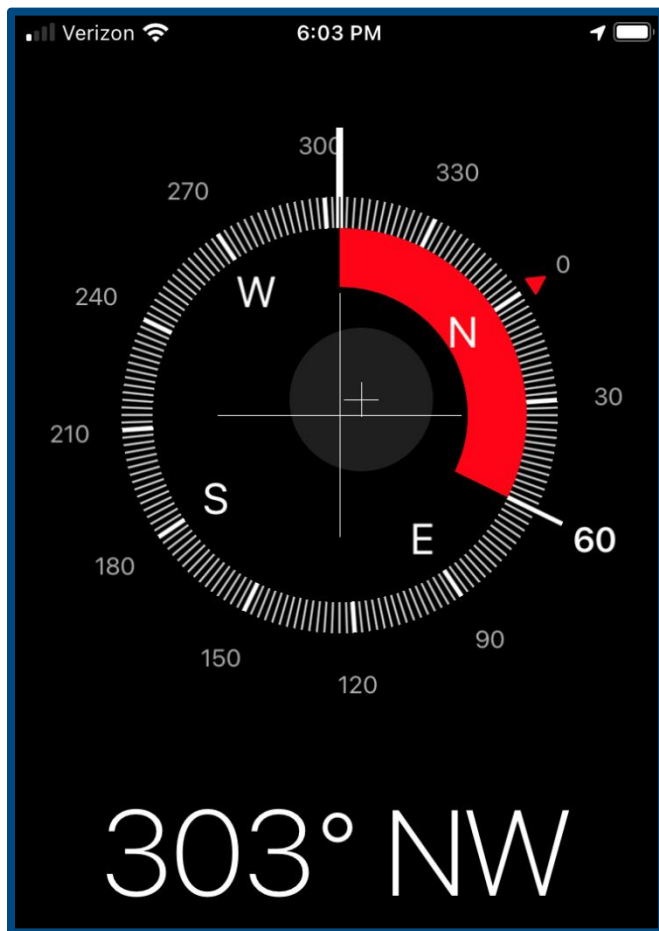


*Rotating your phone rotates the compass and changes the direction your phone is facing.*

While rotating your phone, you may notice your phone producing vibrations. Your phone produces vibrations after passing every 30 degrees and a more pronounced vibration is produced after passing zero degrees. This tactile sensation is a normal function when using the Compass app.

The Compass app allows you to lock your current direction. This is helpful if you are moving in a specific direction (such as 10 degrees North) and want to stay on track.

To lock your current direction, tap anywhere within the compass face. Now try moving your phone around to change the direction. Notice how a thick red band appears in the inner circle of the compass. This red band is to show you how far off you are from your locked direction. Your locked direction is the bolded degree number and your current direction is the thick white line. Your current direction is also shown beneath the compass face.

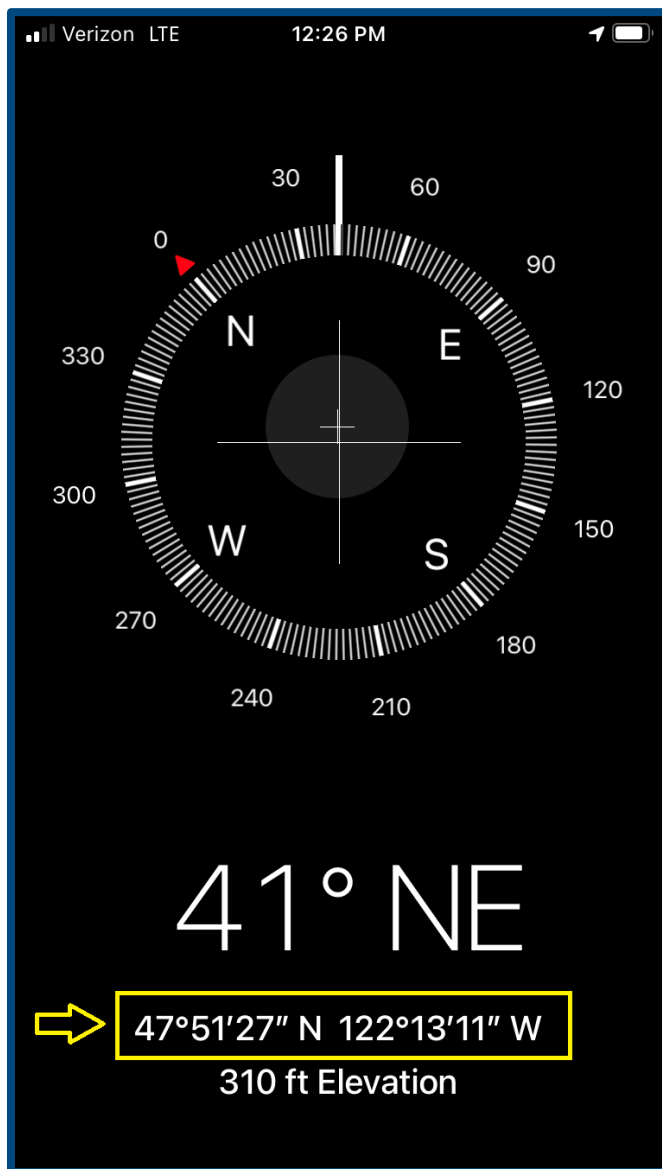


*The red band shows you how far off you are from your locked direction. 60 degrees is the locked direction and 303 degrees is the current direction.*

To unlock your current direction, tap anywhere within the compass face and the red band will disappear.

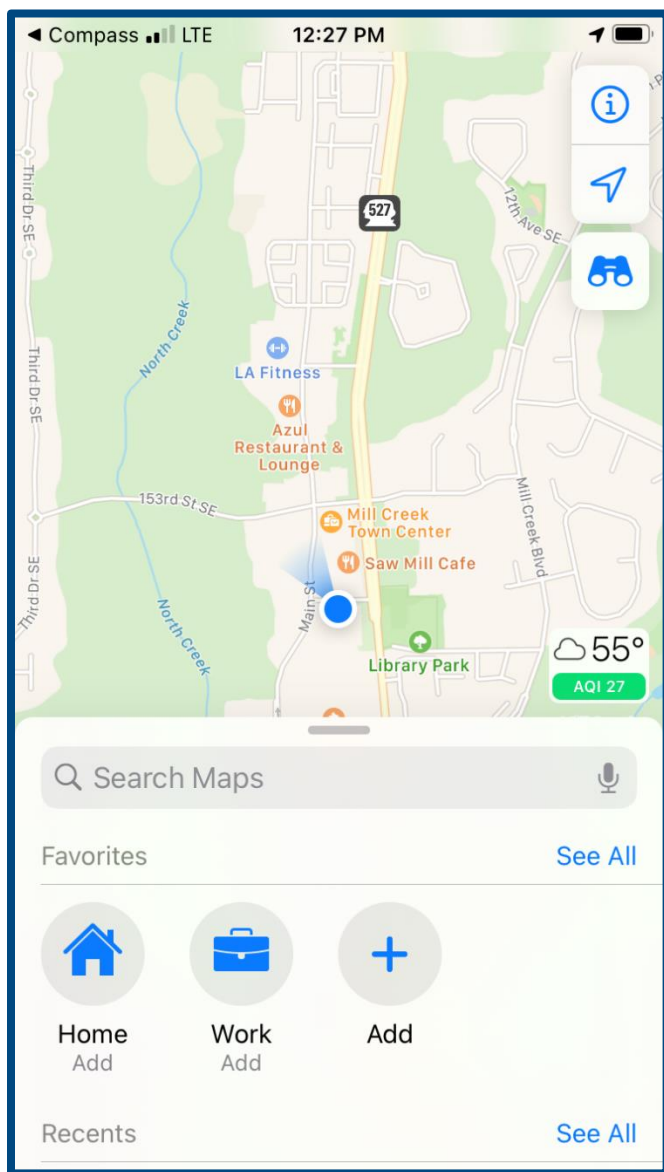
### Part 3: Locating Your Current Position

To locate your current position on a map, tap the latitude and longitude coordinates near the bottom of the Compass screen.



*First tap the latitude and longitude coordinates to display your current location on a map.*

Your Maps app should then open, displaying your current location on a map. Since you are now in a different app, you will have to switch apps if you want to go back to the Compass app.



*Tapping the latitude and longitude coordinates in the Compass app brings up your current location in the Maps app.*

For more information about the Maps app, please see the Maps tutorial.

You have reached the end of the iOS Compass App Tutorial.