748281-13.2-39E AID: 181155 | 27/12/2020

General equation of a sphere centred at point  and radius is given by



Now, we are given sphere is centred at (6,-3,11) and passes through 

Since, centre of sphere is (6,-3,11), we substitute 



As, sphere passes through point .

So, it must satisfy the above equation of sphere.



**So, required equation of sphere is **