

MATE 6677 assignment 2

6. Show that if f is a continuous function in a domain and x an interior point, $f(x)$ is the limit of the spherical mean of f on a sphere centered at x , the radius of which tends to zero.
7. Problem 3.2 of text.
8. Problem 3.3.
9. Problem 3.5.
10. Problem 3.6.