

Homework Assignment #3

(due Aug. 29, 2022, at beginning of class)

1. Griffiths 1.26
2. Griffiths 1.27
3. (i) Prove that the curl of a gradient is always zero.
(ii) Check this for the function $f(x, y, z) = \sin(x) + 4x^2y^4z^3$
4. Griffiths 1.29