

Darabasi Ibango Gani

17EN021029

Computer Engineering

ZN0284 Assignment 3

1) Command window

2) clear

3) cc

4) syms x, y, z

5) $F = x^4 * y^3 * z^5$

6) $g = \text{gradient}(F, [x, y, z])$

7) $\text{subs}(g, [x, y, z], [1, 5, 2])$

Therefore gradient $\Phi = 84i + 32j + 72k$