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Medical Engineering

171ENG2610.9

ENG 282: Engineering mathematics II

1) Command window.

2) clear

3) clc

4) Syms x y z

$$5) f = x^2 + x^2 + x^2 + x^2 + x^2 + x^2$$

6) g = gradient (f, [x, y, z])

7) Subs(g, [x, y, z], [1, 3, 2])

∴ Therefore gradient $\phi = 84i + 32j + 72k$.