

QUIZ 8 : NINA CHALGERI

① $\frac{d^2V}{dx^2} + \frac{d^2V}{dy^2} + \frac{d^2V}{dz^2} = 0$; founded by Euler before

② Brunswick, Germany ; Day laborer

③ Yes ; Gauss

④ (a)

(i) it contains identity value, 0

(ii) multiplication "x" = addition mod 6 because among the numbers that are mod 6 are ~~all~~ between 0 and 5
⇒ in group

(iii) multiplication must apply because numbers are mod 6
⇒ order doesn't change

(iv) $6 \text{ mod } 6 = 0$
 $0 \text{ mod } 6 = 0$

(b) No, doesn't contain zero

(c)