

Problem 11

AMATYC
9897a0

AMATYC
9897a5

$$9 - 8 + 9 - 7 + a = 11$$

$$9 - 8 + 9 - 7 + a - 5 = 11$$

$$3 + a = 11$$

$$a - 2 = 11$$

$$3 + a = 0 \Rightarrow a = -3$$

$$a = 12$$

$$3 + a = 11 \Rightarrow a = 8$$

$$a = 13$$

$$989725 \Rightarrow \text{SUM} = 40$$

ANSWER : C

Problem 12

$$a^6 + b^2 + c^2 = 2009$$

$$3^6 + (2^5)^2 + (2^4)^2 = 2009$$

$$a = 3 \quad b = 32 \quad c = 16$$

$$a + b + c = 51$$

ANSWER : E