Answer on Question #56007 – Math – Vector Calculus

Given that $A = -i + 2j + 2k$. Find the magnitude of A:

a) 3

b) 5

c) $\sqrt{3}$

d) $\sqrt{5}$

Solution

The magnitude of A is equal to

$|A| = \sqrt{(-1)^2 + 2^2 + 2^2} = \sqrt{1 + 4 + 4} = 3.$

Answer. 3.