Answer on Question #34743 – Math - Trigonometry

Question

Point M(12, 18) is given in a rectangular plane. Which is the distance of this point from the pole?

A. 12.63
B. 18.36
C. 20.46
D. 21.63

Solution

d – distance

O(0, 0) – pole

$$d = \sqrt{(12 - 0)^2 + (18 - 0)^2} = \sqrt{144 + 324} = \sqrt{468} \approx 21.63$$

Answer: D. 21.63