GATE

December 8, 2023

GATE BM - 2021

1. On a planar field, you travelled $3 units$ East from a point O. Next you travelled $4 units$ South to arrive at point P. Then you travelled from point P in the North-East direction such that you arrive at a point that is $6 units$ East of point O. Next, you travelled in the North-West direction, so that you arrive at point Q that is $8 units$ North of point P.

   The distance of point Q to point O, in the same $units$, should be _____

   (A) 3

   (B) 4

   (C) 5

   (D) 6