

GATE

December 12, 2023

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