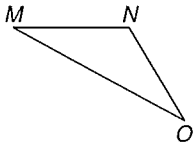


3-6 Practice

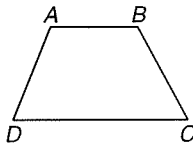
Perpendiculars and Distance

Draw the segment that represents the distance indicated.

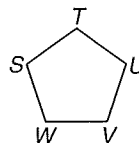
1. O to \overline{MN}



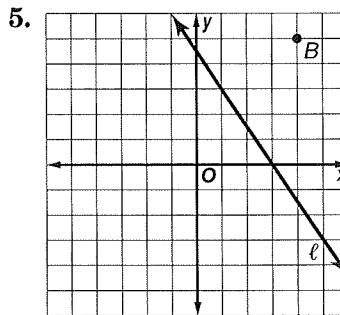
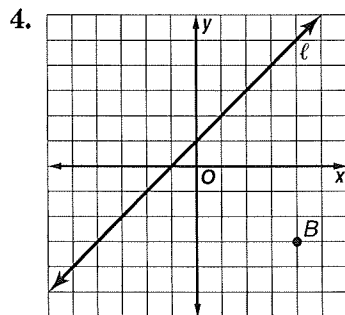
2. A to \overline{DC}



3. T to \overline{VU}



Construct a line perpendicular to ℓ through B . Then find the distance from B to ℓ .



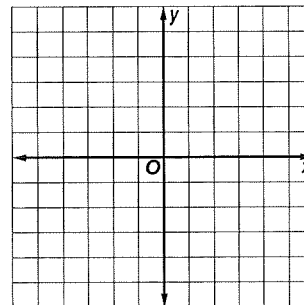
Find the distance between each pair of parallel lines.

6. $y = -x$
 $y = -x - 4$

7. $y = 2x + 7$
 $y = 2x - 3$

8. $y = 3x + 12$
 $y = 3x - 18$

9. Graph the line $y = -x + 1$. Construct a perpendicular segment through the point at $(-2, -3)$. Then find the distance from the point to the line.



10. **CANOEING** Bronson and a friend are going to carry a canoe across a flat field to the bank of a straight canal. Describe the shortest path they can use.