

## **Distance and Displacement Worksheet**

Name: \_\_\_\_\_

For each question plot the path on the grid paper.

1. Joey drives his Skidoo 7 kilometers north. He stops for lunch and then drives 5 kilometers east. What distance did he cover? What was his displacement?
2. Anthony walks to the pizza place for lunch. He walk 1 km east, then 1 km south and then 1 km east again. What distance did he cover? What was his displacement?
3. On his fishing trip Justin takes the boat 12 km south. The fish aren't biting so he goes 4 km west. He follows a school of fish 1 km north. What distance did he cover? What was his displacement?
4. Preston goes on a camel safari in Africa. They he travels 5 km north, then 3 km east and then 1 km north again. What distance did he cover? What was his displacement?
5. Neil pogo sticks to his science class. He travels 8 m east the 4 m north. What distance did he cover? What was his displacement?
6. Alan rents a private jet for the weekend. He flies 400 km south to New York, then flies 700 km west to Chicago, then 1200 km south to Miami. What distance did he cover? What was his displacement? (use 1cm = 100km)
7. Brandon buys a new Seadoo. He goes 12 km north from the beach. He jumps wakes for 6 km to the east. Then chases a boat 10 km north. What distance did he cover? What was his displacement?
8. Alex goes cruising on his dirt bike. He rides 700 m north, 300 m east, 400 m north, 600 m west, 1200 m south 300 m east and finally 100 m north. What distance did he cover? What was his displacement? (use 1cm = 100m)
9. Stephen buys a new moped. He travels 3 km south and then 4 km east. How far does he need to go to get back to where he started?