

Name: _____ Date: _____ Hour: _____

Distance and Displacement

1. Marissa runs north for 40 meters, then turns east and runs for another 10 meters, then stops. What is her distance? What is her displacement?
2. Alex walks east for 3 km, stops for a break, and then runs the same direction for 4 km before he stops. What is Alex's distance? What is his displacement?
3. Taylor rides her bicycle 20 km north, turns around, and then rides the bicycle 15 km back toward her starting point. What is Taylor's distance and displacement?
4. Cassandra runs 5 laps around a mile track, stopping at the same place she started. What is her distance? What is her displacement?
5. Cam runs 40 feet north, 20 feet west, and 40 feet south. What is his distance? What is his displacement?
6. Greg rides his bike 5km north, followed by 3km east. What is his distance and displacement?
7. Zack walks 5 blocks east and 2 blocks south in Chicago. What is his distance? What is his displacement?
8. Jenna rides in a car 5 miles west, gets what she needs from a store and then travels 2 miles east to visit her friend. What is her distance and displacement?