

Name: _____
Class Period: _____

Directions: Answer each of the following questions. Use units where necessary.

1. What is the difference between a vector and a scalar quantity?

2. What is the difference between distance and displacement?

3. If you walked 1km North, then 0.5km South, what is your distance traveled and your displacement?

Distance: _____

Displacement: _____

4. If you went up in an elevator to the top of a 50m building then came back down, determine these quantities:

Distance at the top: _____

Displacement at the top: _____

Distance when down: _____

Displacement when down: _____

5. If you drove 5 blocks North, then 4 blocks East, then four blocks South, then 1 block West, and finally 1 block South, what is your distance and displacement at the end of your journey?

Distance: _____

Displacement: _____