

## General Science 3200

### Worksheet 20: Adding Vectors

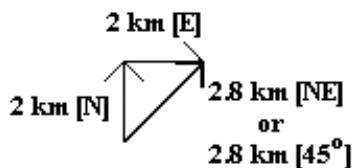
Name: \_\_\_\_\_

Add the following vectors together to give the **resultant** vector. Use the key: 1 cm = 1 km  
In each question begin from one point (home). Be sure to include the magnitude and direction of the resultant vector.

1. 2 km North, then 2 km East

2. 3 km East, then 4 km West

Example: (not to scale)



3. 1 km South, then 3 km South

4. 2 km South, then 4 km West

5. 2 km North, then 5 km South

6. 3 km East, then 4 km South

7. 4 km West, then 1 km North

8. 3 km West, then 4 km West

9. 3 km South, then 5 km North

10. 5 km South, then 5 km East