

## Part Two Navigation Skills

Please show all work on the paper provided.

### Fill in the blanks:

(one point each)

1. On a colour topographical map contour lines are \_\_\_\_\_ in colour.
2. On a colour topographical map rivers are \_\_\_\_\_ in colour.
3. On a colour topographical map the top of the map points to \_\_\_\_\_.
4. On a colour topographical map buildings are \_\_\_\_\_ in colour.

### Using the map for Appletree Road answer the following questions:

(two points each)

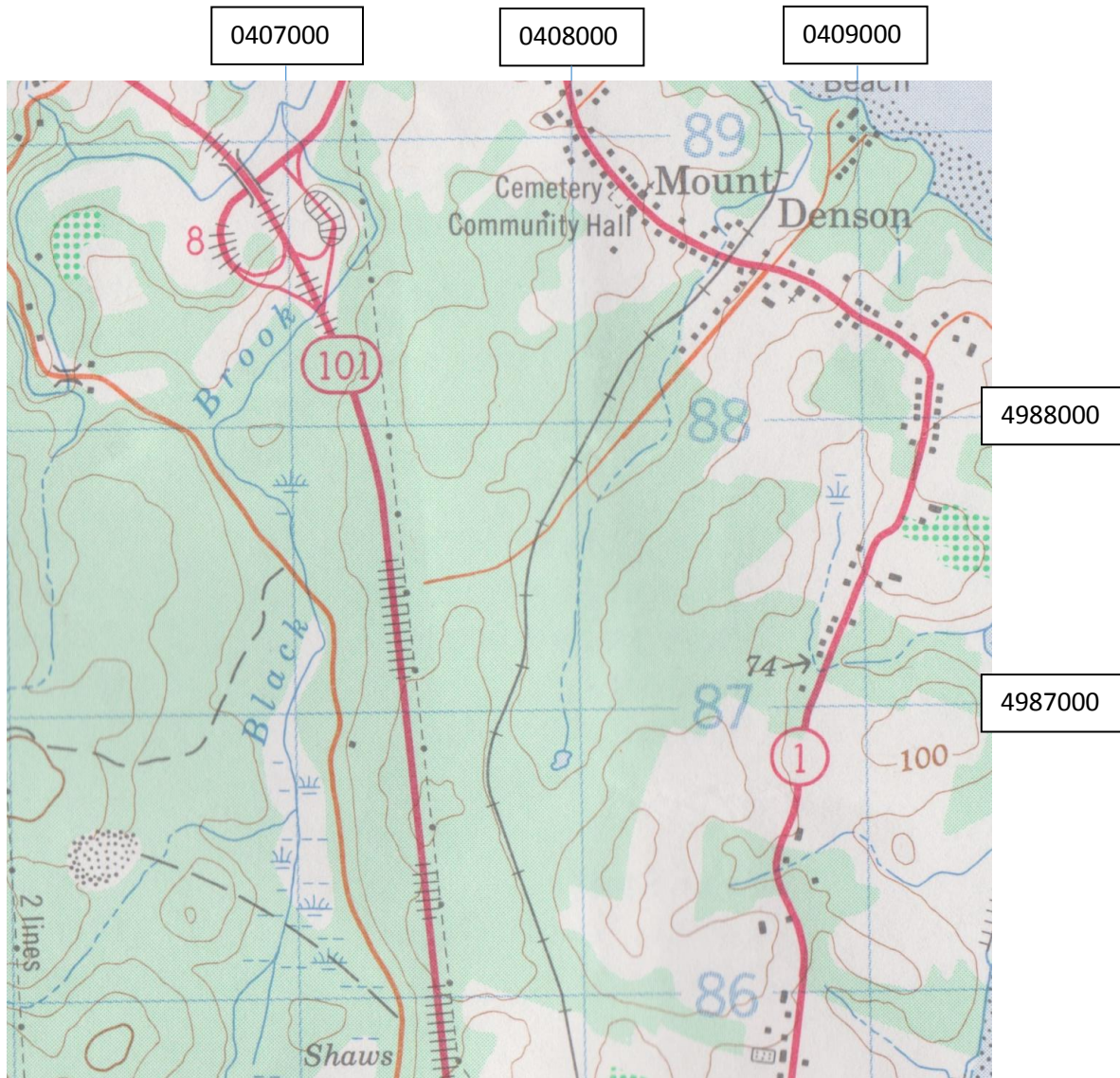
1. The scale is 1 to 50 000
2. What is the length of the route 1 as shown on the map? \_\_\_\_\_
3. Which direction is the brook in 0887 flowing? \_\_\_\_\_
4. What evidence on the map did you use to answer question 3? \_\_\_\_\_  
\_\_\_\_\_
5. What is the map bearing from the bridge in 0688 to the bridge on the 101 highway? \_\_\_\_\_
6. What is the approximate magnetic bearing the bridge in 0688 to the bridge on the 101 highway? The land shown by the map is located near Hantsport, N.S. \_\_\_\_\_
7. What is the six figure grid reference for the small pond found east of the railway? \_\_\_\_\_
8. What is the utm reference for the small pond found east of the railway? \_\_\_\_\_

### Navigation Skills

(one point each)

1. How many paces do **you** take when travelling 100m over level ground in the woods?  
\_\_\_\_\_
2. What is the minimum number of searchers needed to follow the leapfrog method of following a bearing? \_\_\_\_\_
3. What is a safety bearing? \_\_\_\_\_  
\_\_\_\_\_

Topo Map for Appletree Road area.



6. Describe the best (happier not most direct) route to travel for a search team from the 74 west of route 1 to the gravel pit west of the highway. Include magnetic bearings for the route of travel, the land shown by the map is located near Hantsport, N.S., and the approximate distance of each leg.

Include your starting and ending UTM's.

(6 points)

-Draw the route of travel on the map above and label the magnetic bearings on the map with the distances or note that information below.