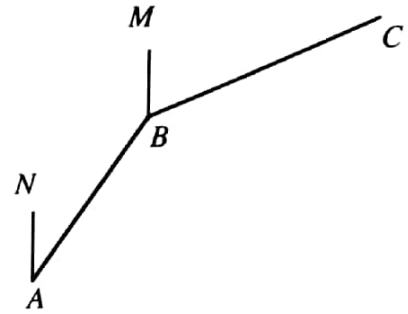


6. A ship sails from a port A on a bearing of 030° for 22 miles to a marker B at which it alters course and sails on a bearing of 075° for 27 miles to its destination C .
 AN and BM represent north lines.

- a) On the diagram mark the sizes of $\angle BAN$ and $\angle CBM$.
 b) Determine, to the nearest 0.1 mile, how far C is east of A .



- c) Determine, to the nearest 0.1 mile, how far C is north of A .

- d) Determine, to the nearest 0.1 mile, the direct distance from A to C .

- e) Determine the three figure bearing of C from A .

