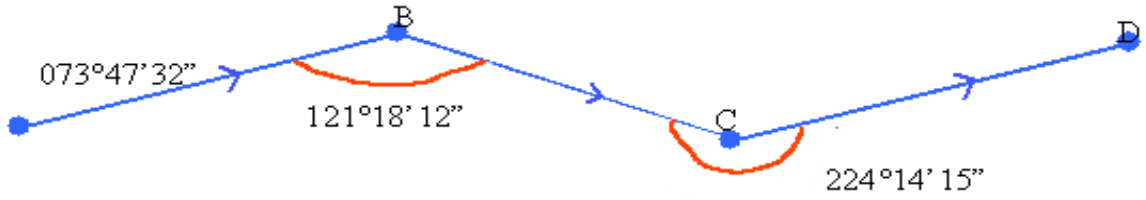
MATHEMATICS
Level One

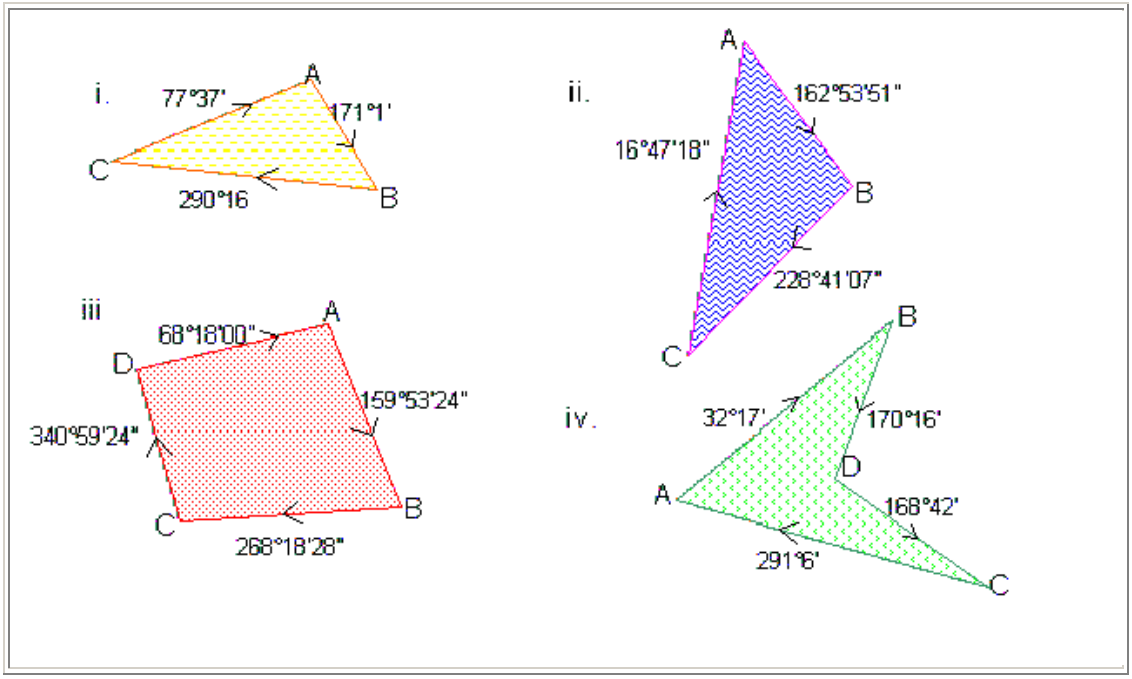
Geometry and Surveying

1) A circular arc has a radius of 620m and a central angle of 41°15’30”
Calculate the arc length.

2) Below is a traverse with an initial bearing and two horizontal angles taken. Calculate the bearing of the line BC and CD.



3) Compute all the interior angles in the traverse networks below, where bearings are given.



Note the drawings are not to scale