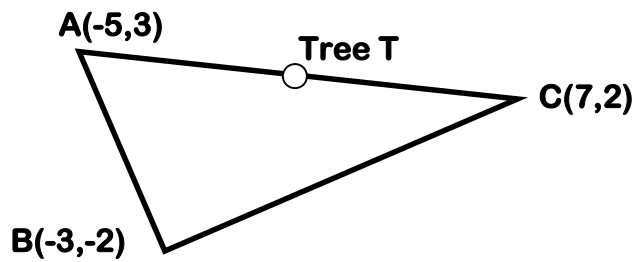


## L2 Revision Test A AS2.1

### (Achieved)

A triangular obstacle course with three checkpoints A, B & C  
A tree T is midpoint of the AC side



1) Find the coordinates of the tree T

2) Find the length of the whole obstacle course

3) Find the equation of the side AC

4) The equation of the side BC is  $4x - 10y - 8 = 0$  Find the equation of the line parallel to side BC which passes through point A

### (Merit)

5) Find the equation of the perpendicular bisector of line BC  
(write in the form  $ax + by + c = 0$ )

### (Excellence)

5) Prove the triangle ABC is a right angle triangle