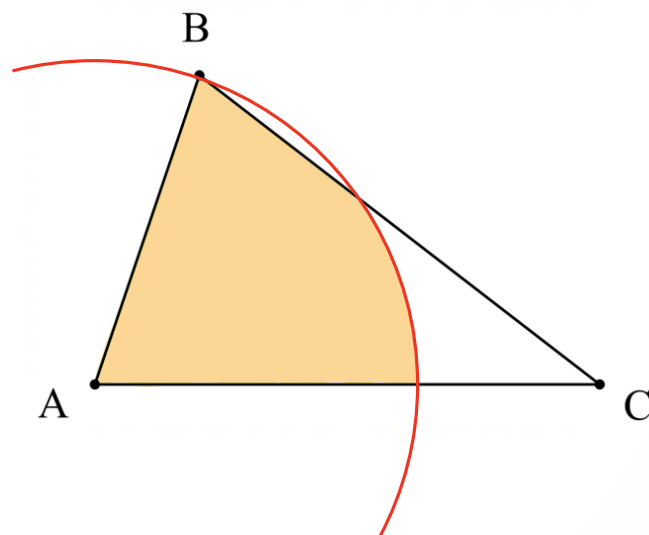
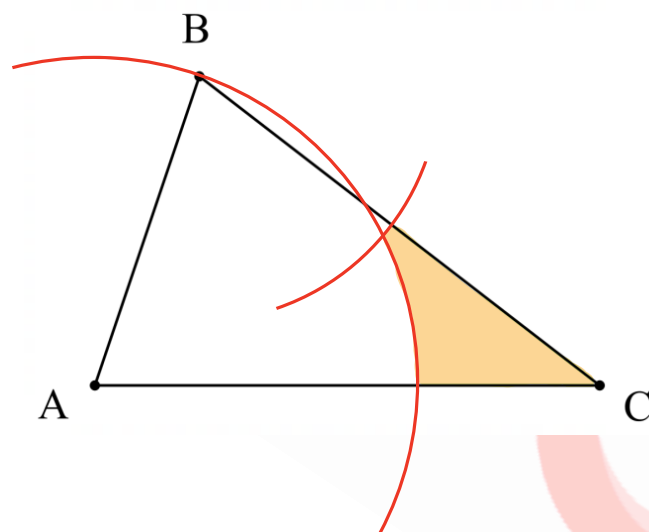


Geometry – Loci – Loci using angle and perpendicular bisectors

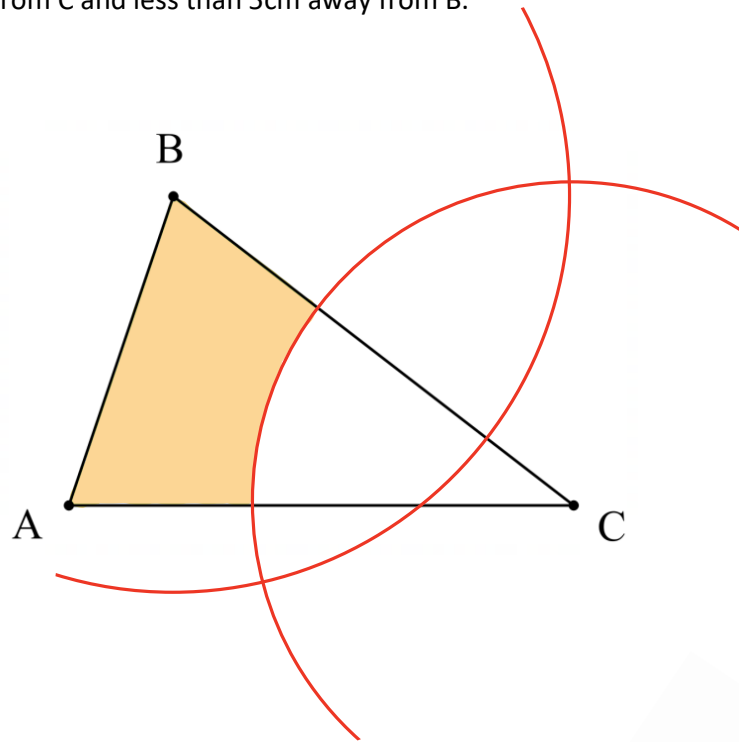
1. The diagram below shows triangle ABC. Shade the region which is inside the triangle and less than 4cm away from A.



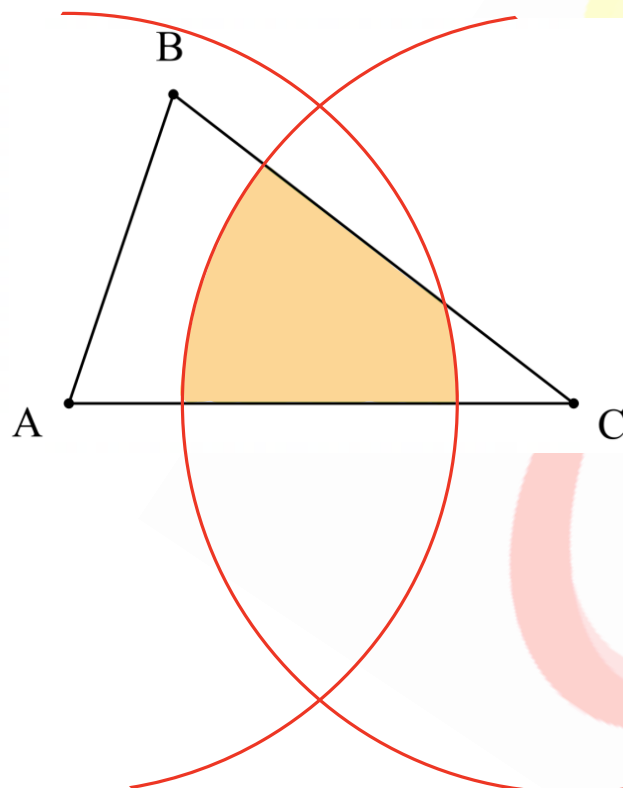
2. The diagram below shows triangle ABC. Shade the region which is inside the triangle, more than 4cm away from A and more than 3cm away from B.



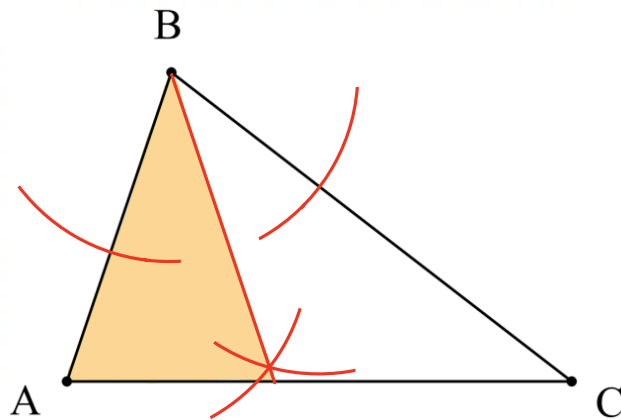
3. The diagram below shows triangle ABC. Shade the region which is inside the triangle, more than 4cm away from C and less than 5cm away from B.



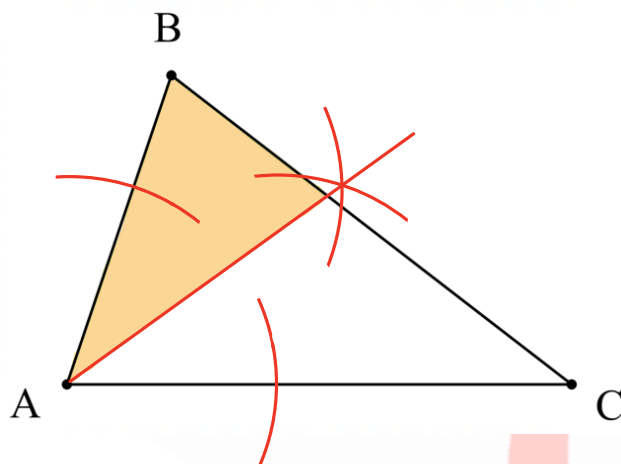
4. The diagram below shows triangle ABC. Shade the region which is inside the triangle, less than 5cm away from A and less than 5cm away from C.



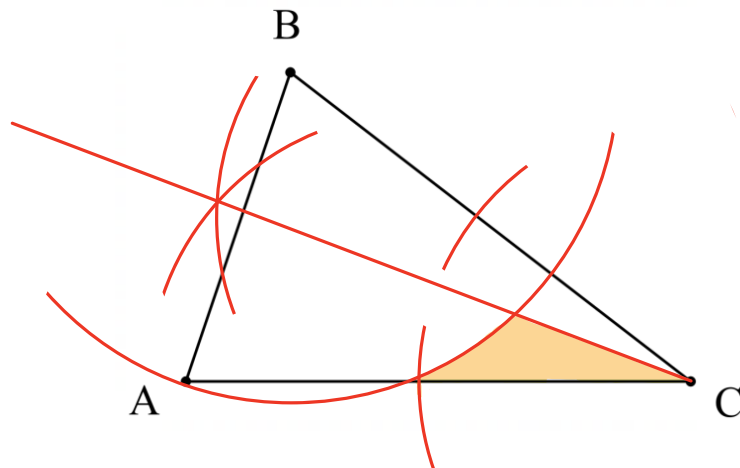
5. The diagram below shows triangle ABC. Shade the region which is inside the triangle and is closer to AB than BC.



6. The diagram below shows triangle ABC. Shade the region which is inside the triangle and is closer to AB than AC.

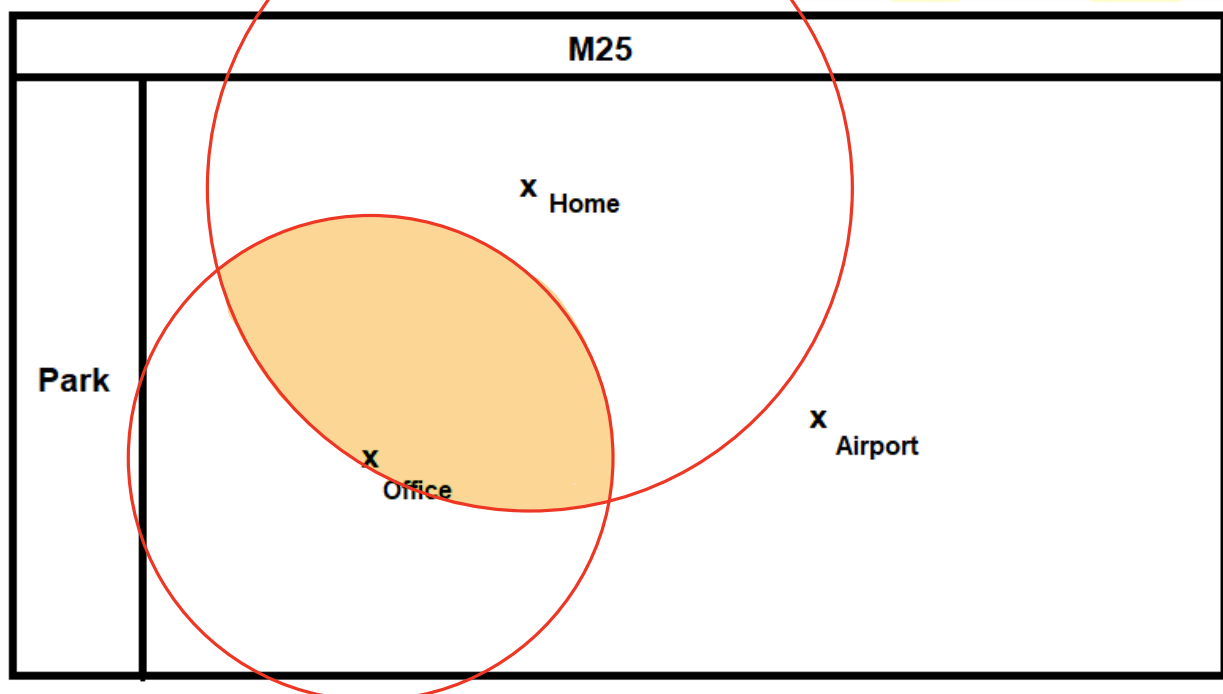


7. The diagram below shows triangle ABC. Shade the region which is inside the triangle, is more than 4cm away from B and is closer to AC than BC.

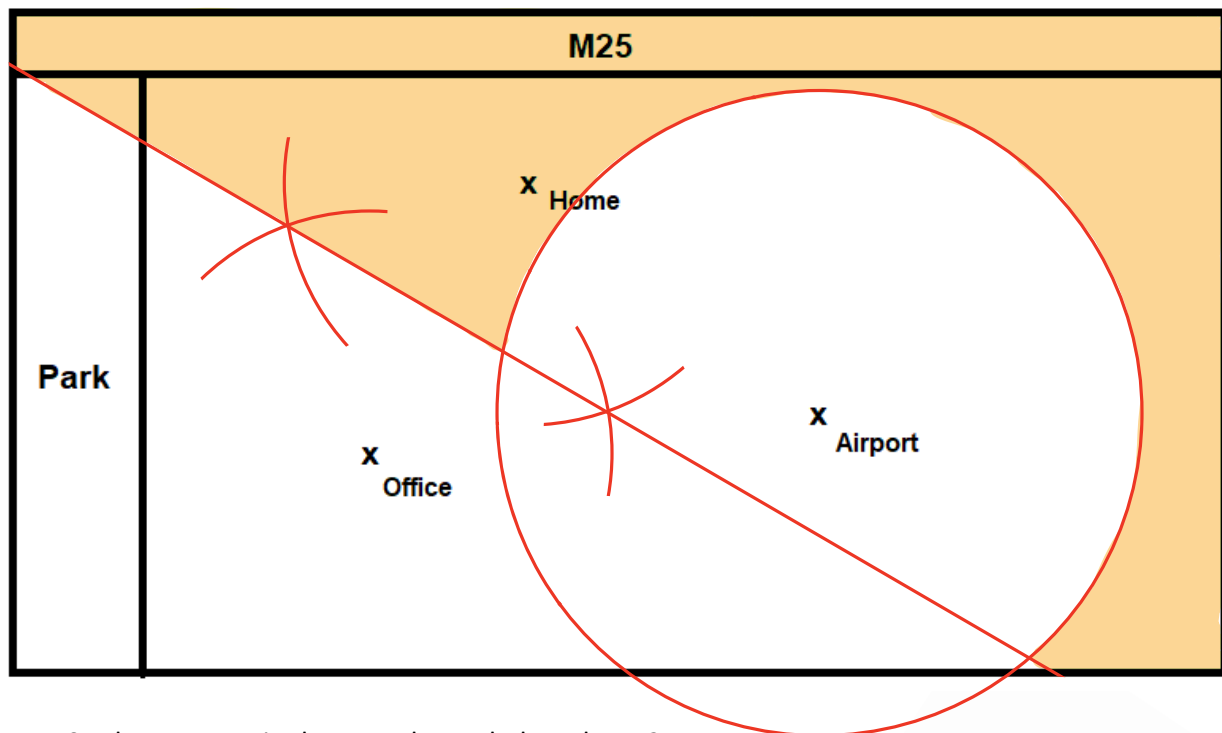


In each of the following questions, use the clues to shade the region(s) in which the treasure can be found.

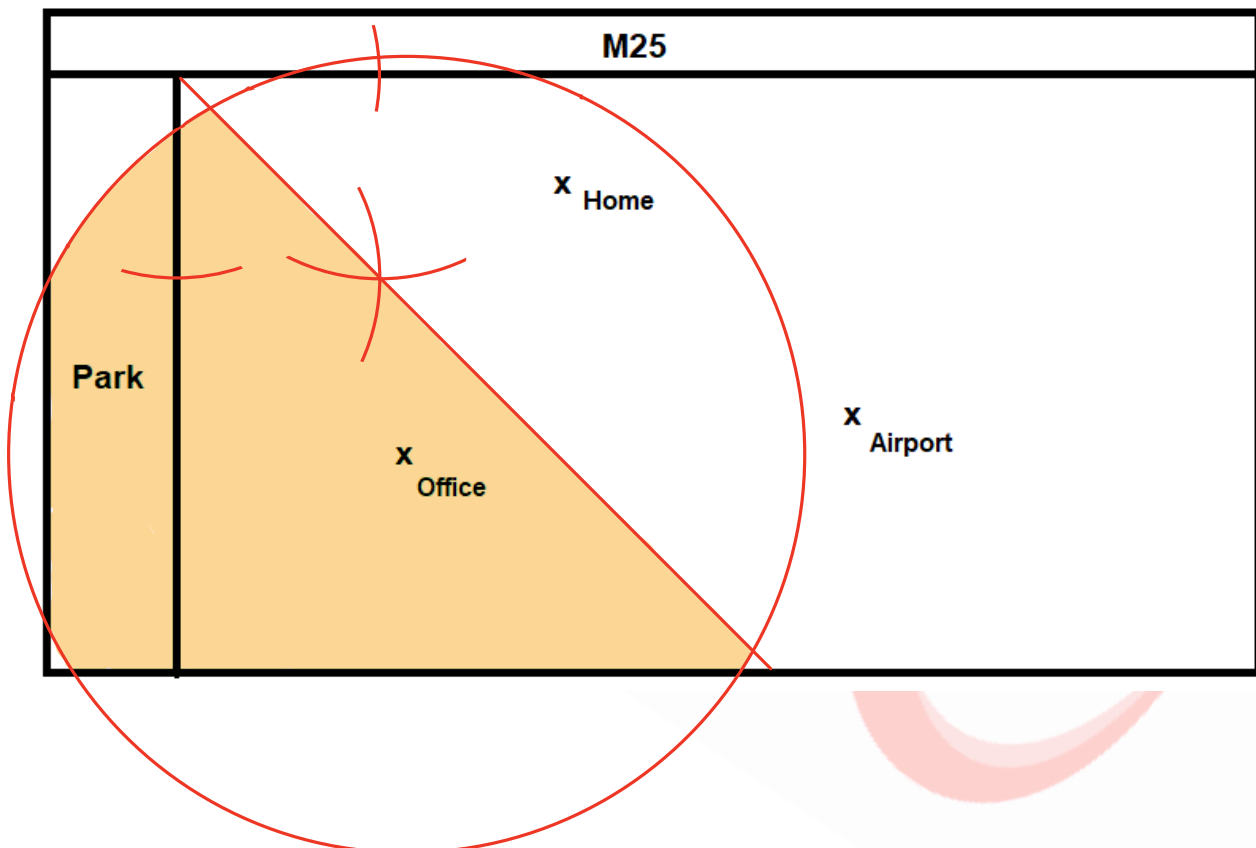
8. The treasure is less than 4 cm away from Vivek's home
The treasure is less than 3 cm away from Vivek's office



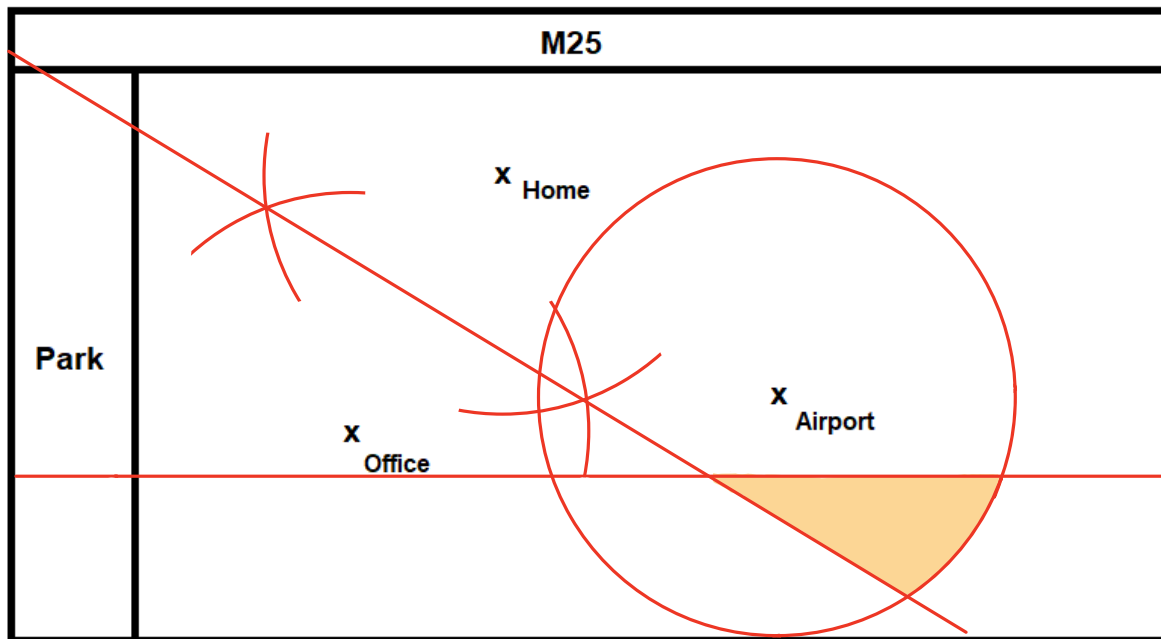
9. The treasure is closer to Vivek's home than to Vivek's office
The treasure is more than 4cm away from the airport



10. The treasure is closer to the park than the M25
The treasure is less than 5cm away from the office

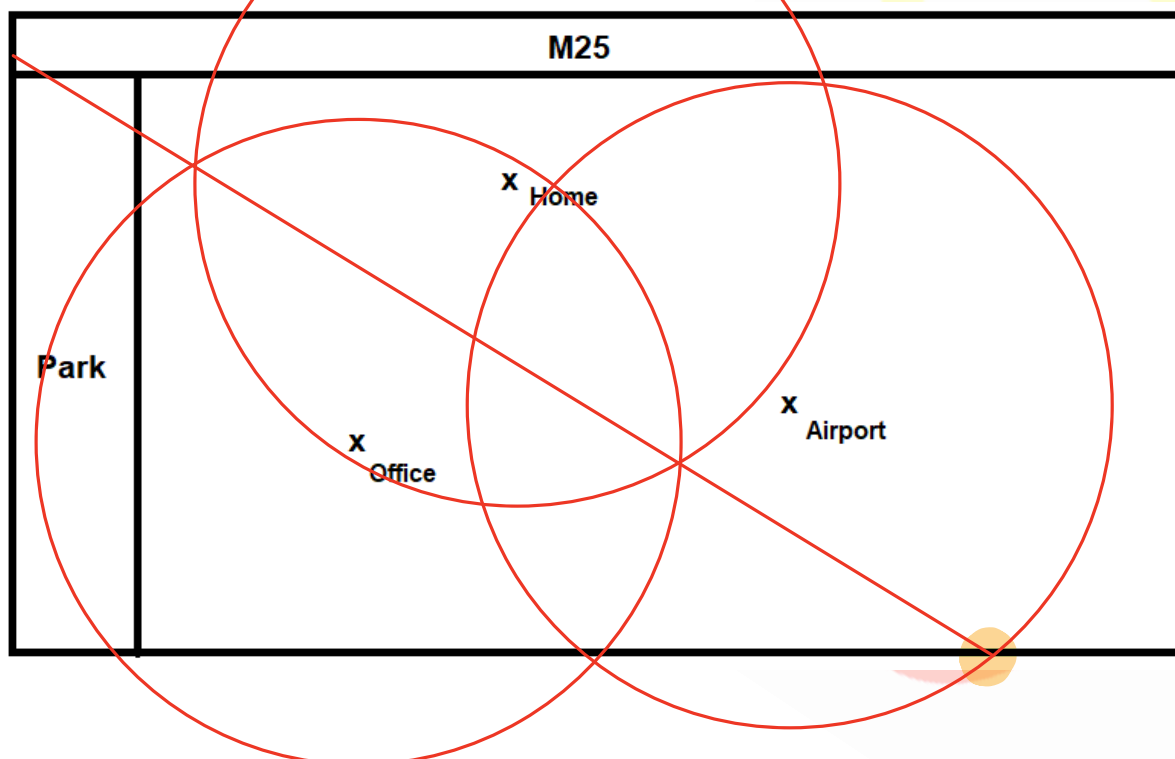


11. The treasure is more than 5cm away from the M25
The treasure is closer to Vivek's home than his office
The treasure is less than 3cm away from the airport

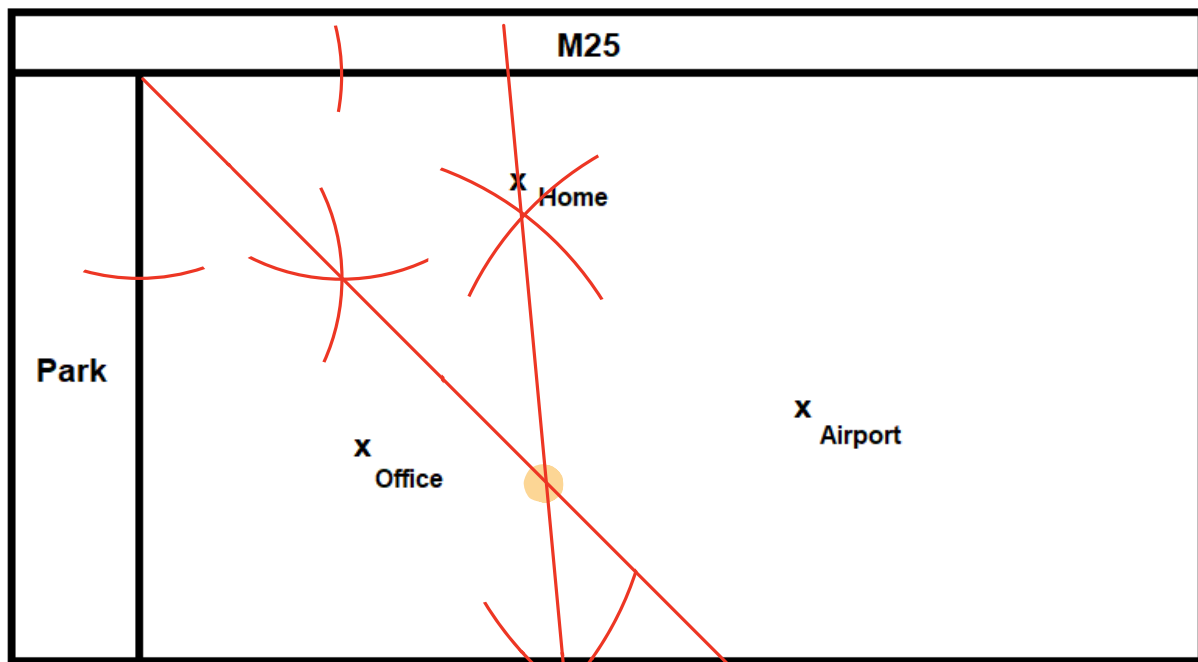


In each of the following questions, find the exact location(s) of the treasure.

12. The treasure is equidistant from Vivek's home and his office
The treasure 4cm away from the airport
The treasure is more than 4cm away from Vivek's home



13. The treasure is equidistant from the M25 and the park
The treasure is equidistant from the office and the airport



14. The treasure is exactly 5cm away from Vivek's home
The treasure is exactly 4cm away from the airport
The treasure is more than 3cm away from the M25

