Lower 6 Chapter 6

Circles

Chapter Overview

1. Perpendicular bisector recap

2. Equations of circles

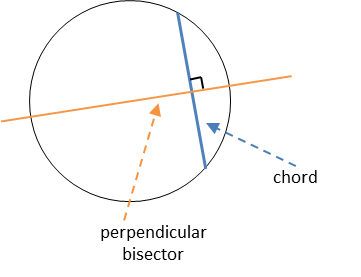
3. Intersections of lines and circles

4. Chords, tangents and perpendicular bisectors

5. Circumscribing Triangles



Perpendicular bisectors and mid-points



Example:

Find the equation of the perpendicular bisector of A (2,5) and B (6,7).

Test Your Understanding:

1. Find the perpendicular bisector of the line where and have the coordinates:



2. A line segment is the diameter of a circle with centre . If has coordinates , what are the coordinates of ?

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