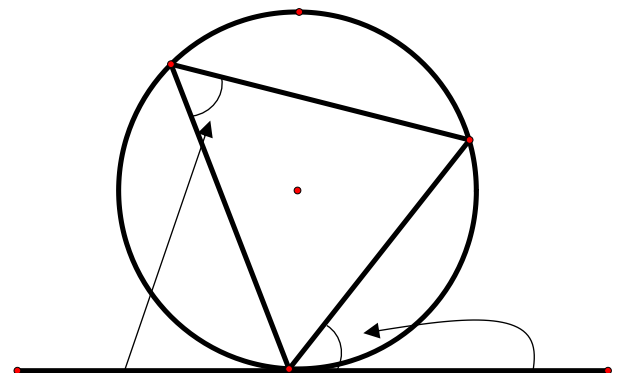
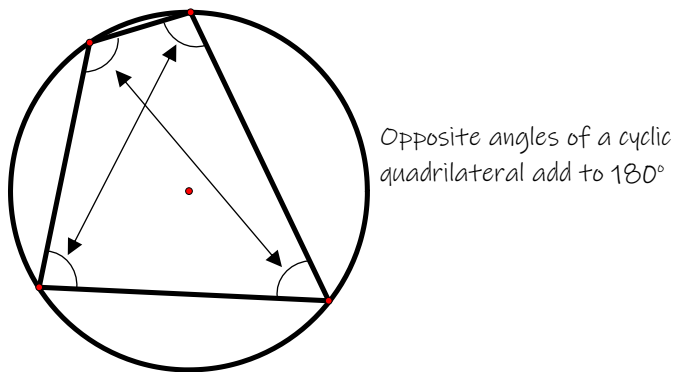
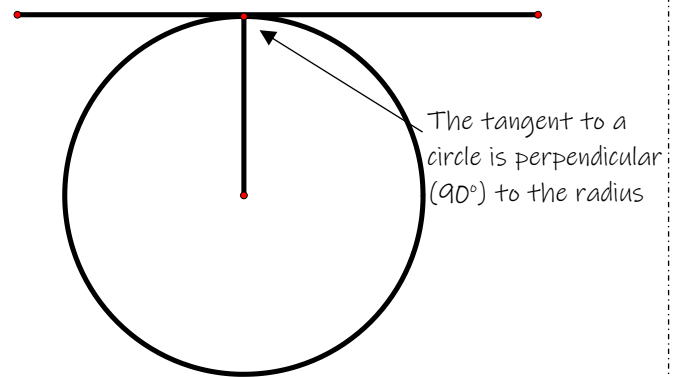
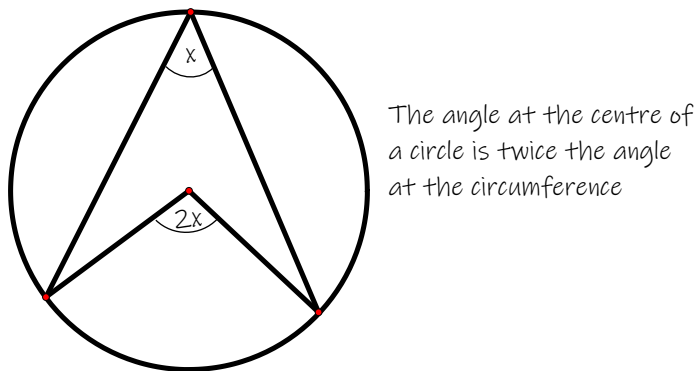
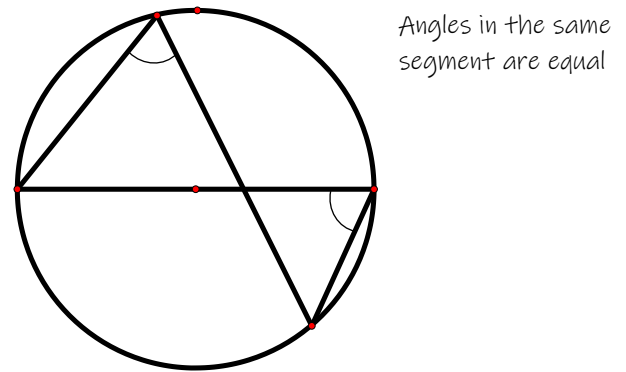
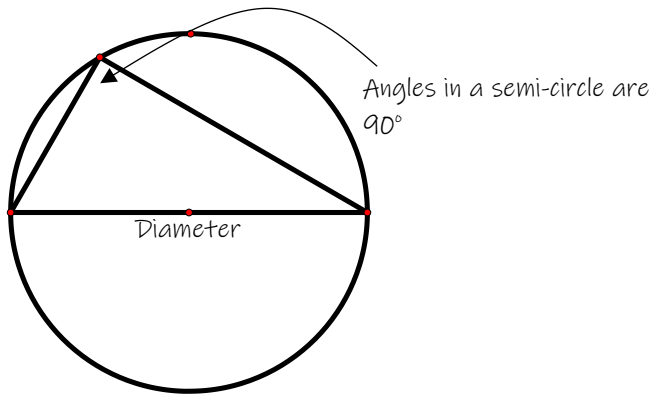


Y10 Maths Knowledge Organiser Higher Tier: Properties of Circles

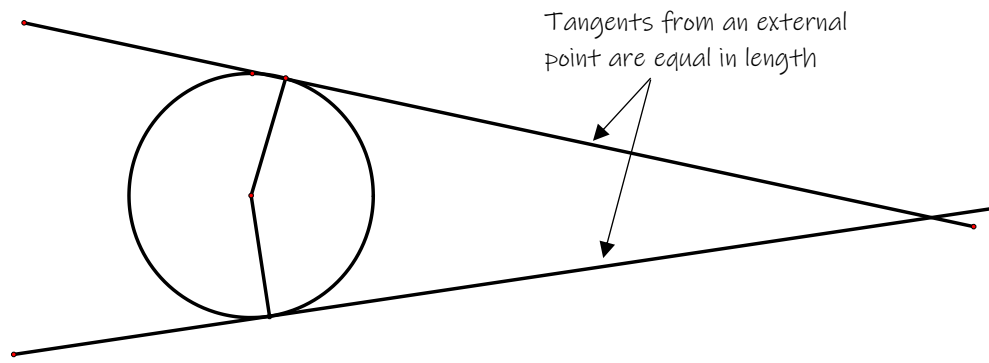
What must I be able to do?	Key vocabulary	
New content: <ul style="list-style-type: none"> □ Use properties of tangents and angles in circles <ul style="list-style-type: none"> ➤ Sparx U489, U130, U459, U251 □ Prove standard circle theorems <ul style="list-style-type: none"> ➤ Sparx U807 	Tangent	A straight line which <u>touches a circle</u> at only <u>one point</u> .
	Cyclic Quadrilateral	A quadrilateral with <u>all 4 vertices</u> on the <u>circumference</u> of a circle.

Circle Theorems

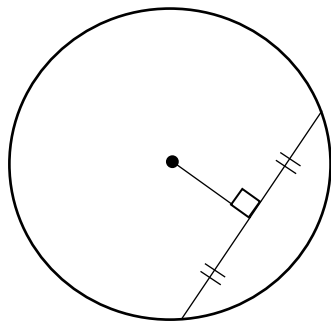
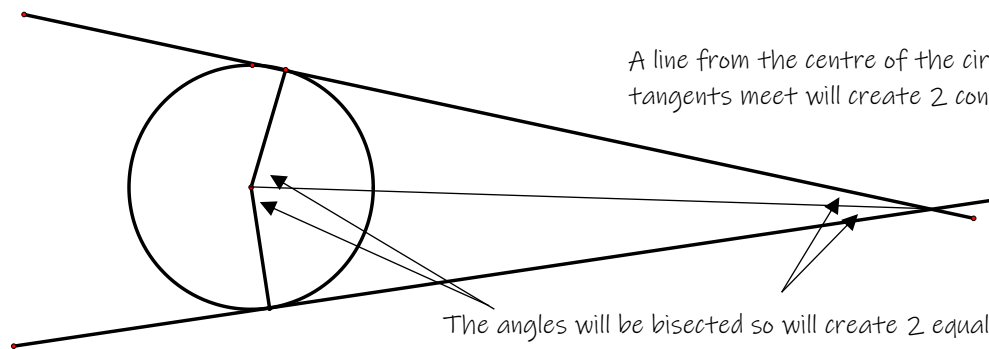


(The angle in the alternate segment is equal to the angle between the chord and the tangent)

Circle theorems continued.



Other useful facts



If a radius meets a chord at 90° it will bisect the chord and vice versa.

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