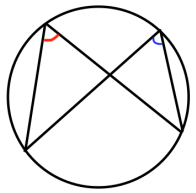
Name: _____ 5-a-day Higher Plus

14th October

Corbettmaths

A straight line passes through the points (m, n) and (p, q) where p = m + 8 n = q – 10 Find the gradient of the line	
Show the equation $x^2 + 10x = 35$ has a solution between 2 and 3.	
Show the equation $x^2 + 10x = 35$ can be rearranged to give $x = \frac{7}{2} - \frac{x^2}{10}$	
Starting with $x_0 = 2$ use the iteration formula $x_{n+1} = \frac{7}{2} - \frac{x_n^2}{10}$ four times to find an estimate for the solution of $x^2 + 10x = 35$	
	Prove the angles in the same segment are equal.

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Prove the angles in the same segment are equal.

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