


Name: \_\_\_\_\_

5-a-day


Higher Plus

4th February	Corbettmaths 
Write $(\sqrt{2} + \sqrt{6})^2$ in the form $a + b\sqrt{3}$	
Make c the subject of $x = \frac{y^2 + c}{y - c}$	
Find the nth term of the sequence 12 14 18 24 32 ...	
Helicopter A and Helicopter B both take off from the same location. Helicopter A flies 8 miles on a bearing of $172^\circ$ . Helicopter B flies 13.2 miles on a bearing of $097^\circ$ .	How far is helicopter A from helicopter B?
Find the minimum point of the graph $y = x^2 - 9x - 20$	

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