Name: _____ 5-a-day Higher Plus

25th September

Corbettmaths

Write $\sqrt{11} + \sqrt{99}$ in the form $a\sqrt{b}$ where a and b are integers.	
Find the minimum value of $x^2 + 6x + 20$ and the value of x for which it occurs.	
Make m the subject of $\pi x = \frac{m + 8}{m - 1}$	
Shown is a sketch of the graph y = f(x). (a) Sketch –f(x) (b) Sketch f(x + 1) Label known coordinates