Name: _____ 5-a-day Higher Plus

19th November	
Factorise fully	Corbettmaths
$(x+2)^4 - (x-3)(x+2)^2$	
Area = 1m ²	Shown is a regular hexagon. Find x
	Calculate an estimate for the acceleration after 40 seconds
Time (seco	Calculate an estimate for the total distance travelled in the 60 seconds.
3x	Both shapes have the same volume. Express r in terms of x.

Name: Here is a velocity time graph for the first 60 seconds of a journey. Factorise fully 19th November Velocity (m/s) 1 $(x+2)^4 - (x-3)(x+2)^2$ $Area = 1m^2$ 10 ω X 20 30 40 50 60 Time (seconds) 5-a-day Both shapes have the same volume. Express r in terms of x. seconds. Calculate an estimate for the acceleration after 40 seconds Shown is a regular hexagon. Find x distance travelled in the 60 Calculate an estimate for the total Higher Plus Corbettmoths

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