

Feb 17th	5-a-day	Core 1
The points A and B have coordinates (5, 3) and (9, -6). Find the midpoint of AB.		Find the length of AB
Simplify fully $(\sqrt{2} + \sqrt{8})^2$		
Write down the value of a $4^a = \frac{1}{16}$	Write down the value of b $4^b = 8$	
Find the set of values of k for which $5x^2 + 3x + 1 = k$ has no real roots.		
Given that $y = 6x^2 - \frac{5}{x^5}$ Find $\int y \, dx$		