The	coefficient of x^4 in the expansion of $\left(2x^2 + \frac{k^2}{x}\right)^5$ is a . The coefficient of x^2 in the expansion of			
(2kx)	$(2kx-1)^4 \text{ is } b.$			
(a)	Find a and b in terms of the constant k . [3]			

Given that $a + b = 216$, find the possible values of k .	[3]
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