
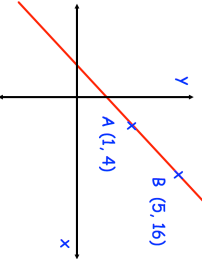

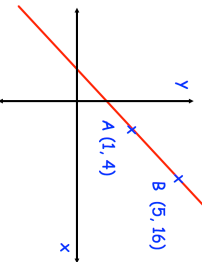


21st May		Corbettmaths 
	Find the equation of the line perpendicular to AB that passes through the midpoint of AB.	
Samantha has 10 black socks, 8 white socks and 2 blue socks. She picks two socks at random, without replacement.	Calculate the probability she chooses two socks of the same colour.	
Prove algebraically that $(4n + 1)^2 - (2n - 1)$ is an even number for all positive integer values of n .		
The n^{th} term of a quadratic sequence is $n^2 + 4n$		
Two consecutive terms have a difference of 25.		
Work out the two terms.		
$\frac{81^y}{3^{y-5}} = 3\sqrt{3}$		
Find y		

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