Quadratic formula & Discriminant					
YEAR	PAPER	QUESTION			
2016	1	Determine the nature of the roots of the function $f(x) = 7x^2 + 5x - 1$.	2		
2017	2	Solve the equation $2x^2 + 5x - 4 = 0$. Give your answers correct to one decimal place.	3		
2015	2	A rectangular picture measuring 9 centimetres by 13 centimetres is placed on a rectangular piece of card. The area of the card is 270 square centimetres. There is a border x centimetres wide on all sides of the picture. $\underbrace{\left(\begin{array}{c} & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $	1 2		
2018	1	Give your answer correct to one decimal place. Determine the nature of the roots of the function $f(x) = 2x^2 + 4x + 5$.	4		

2022	2		
		Solve the equation $4x^2 + 2x - 7 = 0$.	
		Give your answers correct to 2 significant figures.	4