6	**C is the correct answer as the path difference of 1.5λ is equivalent to a phase difference of π radians**	(1)
	A is not the correct answer as 0 radians would mean that the path difference was 0, λ, 2λ etc.	
	B is not the correct answer as π/2 radians would mean that the path difference was 0.25λ, 1.25λ etc.	
	D is not the correct answer as 3π/2 radians would mean that the path difference was 0.75λ, 1.75λ etc.	