

1	periodic	B1	
	Additional Guidance		

Question	Answer	Mark	Comments
2(a)	Correct graph (translated $90^\circ$ to the right)	B1	mark intention
	Additional Guidance		
	Condone the graph starting at (90, 1)		
	Ignore the curve outside the domain $0 \leq x \leq 360$		

Question	Answer	Mark	Comments
2(b)	Correct graph (translated 1 up)	B1	mark intention
	Additional Guidance		
	Ignore the curve outside the domain $0 \leq x \leq 360$		

Question	Answer	Mark	Comments
2(c)	Correct statement	B1	eg this is $y = -\cos x$ $\cos 0 = 1$ it's upside down it should be the same as $\cos x$
	Additional Guidance		
	It has been reflected in the $x$ -axis instead of the $y$ -axis		B1
	It should have been reflected in the $y$ -axis		B1
	It starts at $-1$ (instead of 1)		B1
	180 is above the $x$ -axis		B1
	Correct curve drawn		B1
	$\cos(-180) = -1$		B1
	She has done $-y$ instead of $-x$		B1
	It can't start as a negative		B1
	It should go down not up		B0
	She shouldn't have flipped it		B0
	Ignore non-contradictory statements alongside a correct statement		B1