Biconditional Statements -TEST

1.	Given:	a: y - 6 = 9		
		b : y = 15		
	Problem:	The biconditional a↔b represents which of the following sentences?		
	C If y - 6	5 = 9, then $y = 15$.		
	y - 6 =	9 if and only if $y = 15$.		
	$\mathbf{If } \mathbf{y} = \mathbf{i}$	15, then y - $6 = 9$.		
	None of None o	of the above.		
	RESULTS BOX:			
2.	Given:	r: 11 is prime.		
		s: 11 is odd.		
	Problem:	The biconditional r↔s represents which of the following sentences?		
	 If 11 is prime, then 11 is odd. If 11 is odd, then 11 is prime. 11 is prime iff 11 is odd. None of the above. 			
	RESULTS	BOX:		
3.	Civen			
	Given:	$x \rightarrow y$ $y \rightarrow x$		
	Problem:	If both of these statements are true then which of the following must also true?		
	$\begin{bmatrix} & & \\ & (x \to y) \\ & & \\ & x \leftrightarrow y \end{bmatrix}$	$(y \rightarrow x)$		

	x iff y				
	All of the above.				
4.	Given:	m⇔n is biconditional			
	Problem:	Which of the following is a true s	statement?		
	m is the m is the n is a cor n is a bio	hypothesis conclusion nditional statement conditional statement			
	RESULTS B	OX:			
5.	Which of th biconditional I am slee Mary wi it is custard. It is rain None of RESULTS E	e following statements is d? eping if and only if I am snoring. Il eat pudding today if and only if ing if and only if it is cloudy. the above.			