## **MODULE 9 QUIZ 1**

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Tor which of these logic gates can an SLP not classify all data points     * 1 point correctly?
O AND
OR
○ NOR
XOR
NAND

For which of these logic gates can an MLP not classify all data points correctly?	1 point
○ AND	
○ OR	
○ NOR	
○ XOR	
None of these	
3. Which of these cannot be used as an activation function for an MLP? *	1 point
$  f(x) = \max(x,0) $	
f(x) = sigmoid(x)	
$  f(x) = \tanh(x) $	
4. Which of these can be used as an activation function for an MLP? *	1 point
f(x) = 2x	
$\int f(x) = 2x + 1$	
f(x) = 0.5x	
None of these	

5. In the lab we asked you to change 0/1 logic to -1/+1 logic. In this case for * 1 point which logic gates can an SLP not classify all data points correctly?
○ AND
○ OR
○ NOR
XOR
None of these

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