MODULE 9 QUIZ 1

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1. For which of these logic gates can an SLP not classify all data points correctly?   * 1 point

○ AND

○ OR

○ NOR

◉ XOR

○ NAND

2. 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) = 2x

○ f(x) = tanh(x)

4. Which of these can be used as an activation function for an MLP? * 1 point

◉ f(x) = max(x,0)

○ f(x) = 2x

○ 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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