M126, M223

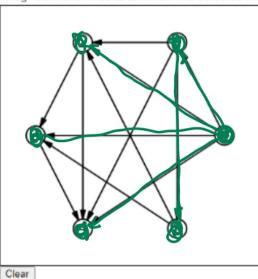
## Question 6

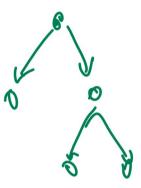
• [2 points] (Select objects) Highlight a spanning tree of the following directed graph by selecting the nodes and edges in the spanning tree. Use the convention that parents point to their children.

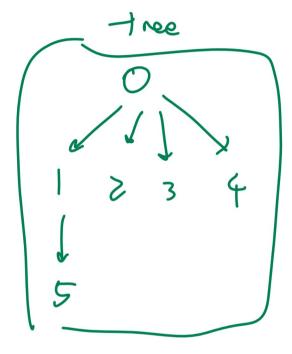
▼ Hint

A tree that contains all the nodes.

 Select (or deselect) a node by mouse click or touch, select (or deselect) a directed edge by mouse drag or touch "drag" from one node to another. The selected nodes and edges should appear red.



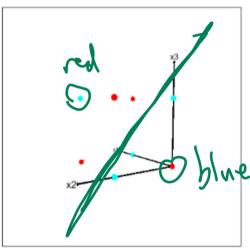




## Question 3

• [3 points] What is the minimum number of training items that needs to be removed so that a Perceptron can learn the remaining training set (with accuracy 100 percent)?

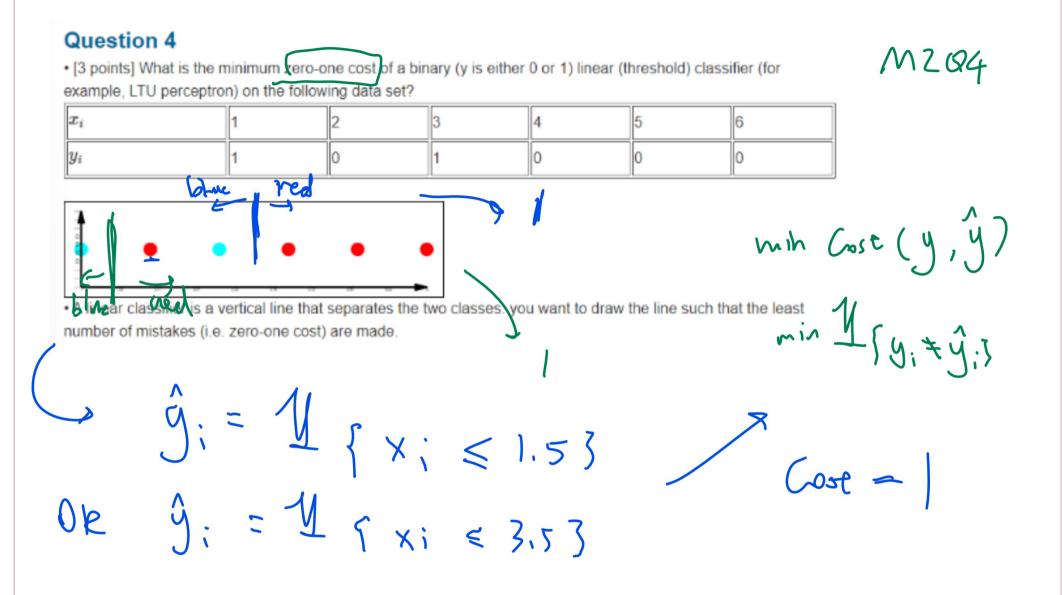
$x_1$	$x_2$	$x_3$	y
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	0
1	1	1	1



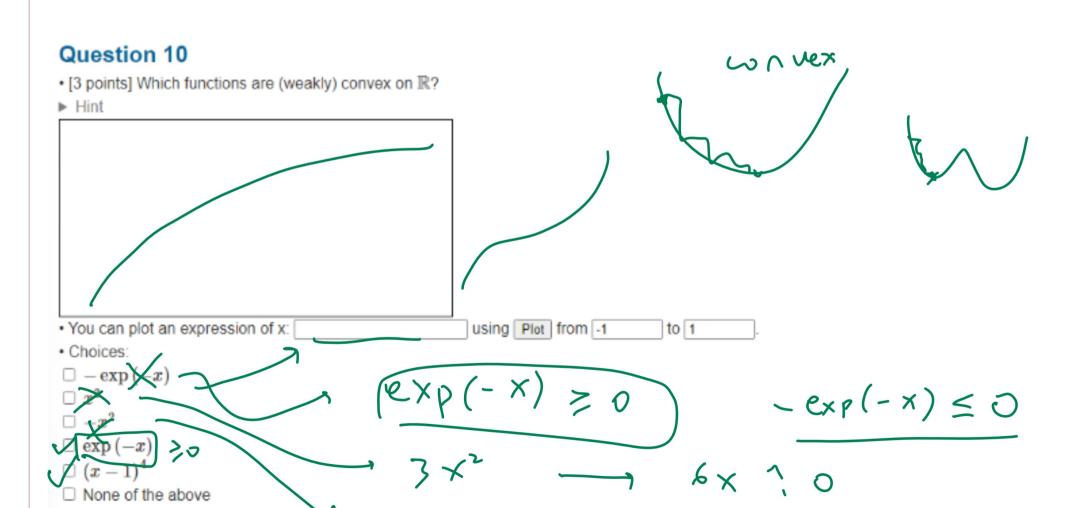
- 11:--4

M2 Q3

20: test



$$(x-1)^4 \longrightarrow \{(x-1)^2 \longrightarrow 12(x-1)^2 \geq 0$$



y: loga; + (1-y;) log(1-9;)  $91 = \frac{1}{1 + e^{-(w^{T}x: +b)}}$ Hess ps. d
ergenvolues >> >>0 Math.js - 109 7 hase e NWF Pythan P. Month

exam:
30 Qs ~10 15 + 15 day 1 day 2

M2-M7 randomization

XI-X3 (F) Quiz Question

New questions heri'question
in 2020
2021.