

HWD

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1. Yes

2. (i) ECE, Probability
(ii) ECE, Linear Algebra
(iii) No
(iiii) No

3. ① when the output of A is smaller than or equal to 0.4,
 $X=1$
② when the output is greater than 0.4 and smaller than
or equal to 0.8, $X=0$
③ Otherwise, $X=-1$

4. Sorry, I don't know.

5. Min and max eigenvalue of A .

6. Sorry, I don't know.