

Question 1: Let $A = \begin{pmatrix} a & b \\ c & d \\ e & f \end{pmatrix}$

Then multiply A by each of the 2×1 input vectors to get the 3×1 output vectors. Then solve for a, b, c, d, e and f.

Questions 2 → 5 follow the same method as Question 1.
and 7 and 9

Questions 6 and 8 are doable

Do not do # 10, 11, 12, 13, 18 for now

14, 15, 16, and 17 are also doable