Saanvi Chugh BLUSI-VAV Linear Algebra Self-Assessment $det(A-xI)=(a-x)(c-x)-b^{2}$ a) $(-x/ax-cx+x^2-b^2)$ a) $(=x^2+(-a-c)x+(ac-b^2)$ b) $\chi^2 - (a+c)\chi + (ac-b^2) = 0$ $x = a + c + \sqrt{a^2 - 2ac + c^2 + 4b^2}$ Differential Equations: det = (3-x)(-2-x) +3 $x^2 - x - 3 = 0$