Ch. 9 Linear Systems of Constant Coefficients

Review: Matrices, Vectors, & Determinants Ex: Solvesystem of linear equations: x, + 2x2 + 3x3 = 5 I vector of unknowns notation: A E R MXn RH3 of makix Column Vectors: 1-column matrix c= (1) is nxl matrix. Is also called nxl column cector or n-vector CER" You Vector: makix of only one von C= (c, c, ... cn) is Ixa makix/row recta It x, y 6 1R" = column Addition: Literally add up corresponding components 5+1=(1) Sum is from basepoint ORYOU CAN TRANSLATE LOLWE
to opposite vertex. T WASTED LIKE 7 MINUTES I LOVE THIS CLASS Multiplication by #: It is a makix ? It is a complex # then It is a Madrix in which each component is autiplied Submetton: A-Bis A+(B), just multiply B by -1

