Week-3 Java: - Roots of as quadratic eqn 80 Sol =:import java. until. *; public class Main public static void main (string []args) double root 1, root 2; Scanner in = new Scanner (system.in); system. out. print in ("Enter value for a:"); double a = in next float (); System.out. forint In ("enter value for 15:"); double 1 = in. next Float (); System. out. print In ("Enter value for e:"); double c = in. next float (); double determinant = b * b - 4 * a * c; gy (determinant >0) 700 + 1 = (-6 + Math. sqrt (determinant))/(2*3); root 2 = (-b-Math sqrt (determinant) 1/2 ta);

System.out.formit ("root 1= 1.2f and root2=1.3 root 1, root 2); else if (determinant ==0) root= root 2 = -b/(2*a); system out. format (" roo! = root2 = 7..24;" 700+1); is took I took endual double real part = -b/(24 a); double rimaginary part = Math. synt (-determinant System. out. format ("800t 1= 1/2 2f + 1/2. 2fi and root 2 = 10.2f - 1/2.2fi", real part, imaginary Part, real part, inaginary pert); out forint In (" _ This quadratic equation has no real roots _ _ "); & y y