Difforma Num Py diff() imbost simbh as ub ass = ub- assad [[100 12,2202] newass = np- diff (aros) point (new oros) Minush OCC 5 10 - 20 impost unampy as orb ass 5 sb- asa A ([10, 12, 52, 12]) Bernauer = wb. qiff anew 255) NumPy LCM Lawest Common finding LCM subact enautod as ent mum 12 y mm 2 = St= wb-Jcw (snaw) 12 nas 5 point (n OIR reducel) imbost enaubh on ub ass = 206. assar ([3/63]) nznpolomo seduce (900) providen)

du so sduence teadure aso = np. arange (1,111) n=np. dcmg. reduce (gros) point (n) Mumpy GCD tinding CCD imback unmbh as ut a: num 12 6 num2= 9 us ub. deg (wass) sonsons) bosing En Finding GCD in Array reduce ( impost unaby as up ores = wb. accord ([5018135,38119] N= sp. gcd. reduce (aso)

brigonometri c temetions sin() Numpy provides the ufuncs sin(), cos() and lan() that take values in radiany and product the corresponding sin 1 we and Hom Jalues junbact enably as ub n= np. sin (np. pi/2 boung (N) Final the sine values for all the values in arrany. imbest unable as sh aces sub-decent ([ab. bil 5 12 b-bil3 12 b-bild" N= np. sin(aro) print (n) [ 1 0.866 0.700 0.26.12] Convert Degrees Into Rach'ons Radians value = pi x clegnee values import sumpy as up eb oreant [ 20118015401360) n z np. deg 2 sad (ass) being (u) 6 Radians to Degree ass = np. assay [ np. pi/2 ) np. pi, 1.5 x np. pi, n= np. sad2 deg (ass) 180 270 360)

tinding Angles profitorent o' promonogial axcsin(), axccos(), axcten() impost numpy as no 016 beint(N) beint(N) 1 = ub.ascsin(100) Angles of Each Value in Array imbort enmbh ored uss ub. assessis (ass) print(n) OIP - [1.5707 1.57079633 0.1008787