Distribuição Normal 10) 2: 50000 200 08 P(x>50000): 3-0,5983-0,4013 > 40,1346 6) 27 = 40000 - 48000 - -1 22= 45000-48000 = -0,395 P(40000 < x < 45000) = 0,3520 - 0,7587 = 0,7933 2) 2, = 98,2-100 = -3,6 22=100,6-100=1,2 P=P(ZZ-3,6)+P(Z>7,2) P=0+(1-0,8849) P=0,1154=>17,53% 3ª) z= 160000 - 150000 = 2 5000 P(x>160000)=7-0,9772=0,0228=>2,28%

D21 = 140000 - 150000 = -2 za= 155000-150000 = 1 P(140000 < x < 155000) = 0,8413-0,0228 = 0.8125 4a) z = 13-10 = 1,5 P(x > 13) = 1-0,9332 = 0,0668 => 6,6896 b) z1 = 9-10 = 0,5 z== 11-10 = 0,5 P(9<x < 17) = 0,6975 - 0,3085 = 9,383 = 38,3% 5a) 2,=50-50=0 22=17-50=3 P(50< 2251)=0,9772-0,5=0,4772=>47,72%

b)z=49500 22=50-50=0 P(49,5 < x < 60) = 0,5-0,7687=0,3473=>34,73% c) z= 49-50=-2 22=51-50=2 P(49<x<51)=0,9772-0,0228=0,9544=>95,44% d)z=51,5-50=3 P(x>57,5)=7-0,9987=0,0013=>0,73% e) Z = 48,75 - 50 = -2,5} 0,62% P(50,5 < x < 51,5)= ()27=50,5-50=1 0,9772-0,8413= 0,7359 13,59% 72= 51,5-50=2

9)2=48,5-50=-3 22=49,5-50=-2 P(46,5< x 249,5) = 0,0228-0,00 13=0,0276 >2,15% 348,5-50 = -3 72-515-50 = 3 P(r < 48,5 an x > 51,5) = 0,00/3+0,9987=0,999 499,940 1.) 2 = 10.8 = 1,33333 0,9082 To 90,82%