Domanie zagarne a ypony 4. D'Conjecutione surpepulouse besureure A mues pabrocuprice poennegement ne spontemente (200, 800]. Hangure de épegnée guarence u guenepeuxo. Q = 200, 6 = 800all(se) = a+6 = 1000 = 500  $D(90) = (6-0)^2 = 30000$ OTRET: eli(xe)=500, b(xe)=30000 (2) O emperation perpepalació palnomenos paripequenasi blemenne B inflectio, 200 el quenepoure palice 0, 2. alloreno em nonte spalique aparing blemenant B a el opeque zone qualité palice, et elbar aparinge palice 0,5? Eour ga, maigure et.  $\frac{(B-\alpha)^n}{1n}=0,2$ Q=0,5 ell(9e) = 0,6+2=1,25 6-? eli(ge)-? D(R)= (6-Q)<sup>2</sup> (B-0,5) = 2.4 6-0,5-1,5491 6=2,0491

Orless 6= 2,0491, alle)=1,25

(3) Kerpepelsione emprovemente le parenpegentese неренанно и задалея тестоето распреденение  $f(x) = \frac{1}{4\sqrt{2\pi}} \cdot e^{-\frac{(x+2)^2}{32}}$ . Hourquise  $\alpha$ ) all(x),  $\delta$ ) d(x),  $\delta$ ) d(x) $f(x) = \frac{1}{6.50} \cdot e^{-\frac{(x-x)^2}{2.6^2}} = >$ 

eli(20) = -2 do(90) = 16 stal(x) = VD(x) =4 Orbes: alle) =- 2; dole) = 16; stollee) =4 (4) жет взросить писеление переда в синеет риреноимине poserpegenene. Thareen, opeguna poes polen 144 em, a среднее квадрачение отпесиение равы В см. Канова вероняность пого, кого опучанний образови выбранный Cypocioni reacher unces poes: a) Evenue 182 em; D) Danne 1902 6) 05 188 cm go 190 cm, a) 05 186 go 182 cm; g) 05 158 cm go 190 cm, e) ne boune 150 em men ne mure 190 em; é) ne boune 150 em mune hurrel 198 cm; se) hurre 166 cm. Hopmanowe premerescence => all = 174 cm 6 = 8 cm 2?

R > 182 em

6h = 174 em

6 = 8 cm

9e = 182 cm

paerpagnim k esnigopsnerry represensing paerpagnimies. a) æ > 182 em Z = 90-ell = 182-149 = 1 P(z=1)=0,8413 => P(x=>182)=1-0,8413=0,1587 o) go > 190 em 2 = 2 - ell = 190 - 124 = 2 P(x>190)=1-0,9442=0,0228 6) De 05 186 go 190 186 190 P= P(x=190)-P(x=186) Z(00=190) = 190-179 = 2 P(90=190) = 0,9442 2(20=168)= 166-179=-1 P(x=100)=0,1584

=> P=0,9412-0,1584=0,8185

2) & 05 166 go 182  

$$P = P(x = 182) - P(x = 166)$$
  
 $\frac{7}{190} = 182) = \frac{182 - 144}{8} = 1$   $\frac{7}{190} = 182 = 166 = 16$ 

g) of 158 go 190

$$P = P(ge=190) - P(ge=158)$$
 $Z(ge=190) = 2$ ,  $P(ge=190) = 0,9742$ 
 $Z(ge=158) = \frac{158-149}{3} = 2$ ,  $P(ge=158) = 0,0128$ 
 $P = 0,9442 - 0,0128 = 0,9544$ 

$$P(x=150)=0,0019$$
  
 $Z(x=198)=\frac{198-129}{8}=3; P(x=198)=0,9986$   
 $P=1-(0,9986-0,0049)=1-0,9972=0,0018$ 

The encience curen (epequie Plagpanericus ornuement)

OTRUCTULES ELE poer renobera, paluoni 190 em, or encrement

OTRUCTULES ELE poer renobera, paluoni 190 em, or encrement

OTRUCTULE poers 6 nongeneram, 6 nortepair elles )=178 een

u  $d(\mathfrak{R})=25$  cm²?  $\mathfrak{R}=190$  cm  $d(\mathfrak{R})=178$  cm

7-? Orbes, tea 2,4 eurou.