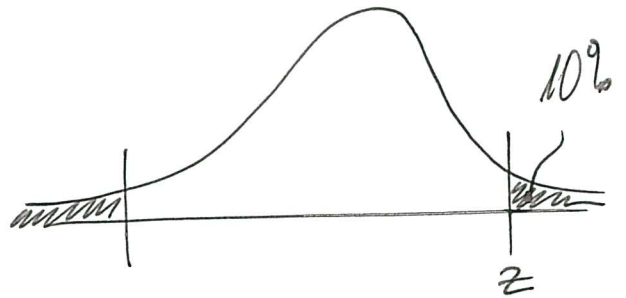


5.23

a) i) $100 - 80 = 20$

$$\frac{20}{2} = 10$$



On cherche z tq. $p(Z < z) = 0,9000$

La table donne $p(Z < 1,28) = 0,8997$

$$\Rightarrow z \approx 1,28$$

ii) $100 - 93 = 7 \mid 7/2 = 3,5$

On cherche z tq. $p(Z < z) = 0,9650$

La table donne $p(Z < 1,81) = 0,9649$

$$\Rightarrow z \approx 1,81$$

iii) $\frac{100 - 97}{2} = 1,5$. On cherche z

tq. $p(Z < z) = 0,985$. La table

donne $z = 2,17$ ($p(Z < 2,17) = 0,985$)