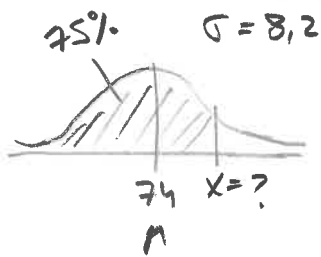
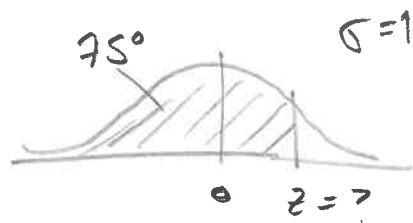


309.

a)

normitus \rightarrow 

$$z = \frac{x - \mu}{\sigma} = \frac{x - 74}{8,2}$$

SiiS $\Phi(z) = 0,75$

$$z = 0,67$$

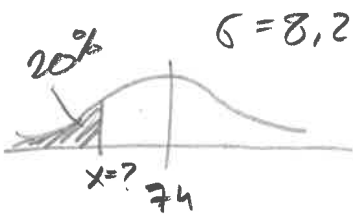
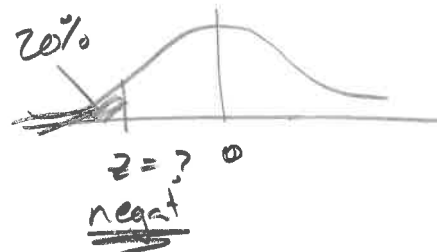
lähinnä oleva taulukosta

tai laskimella invNormCDF
tai tn-laskurilla 0,6745

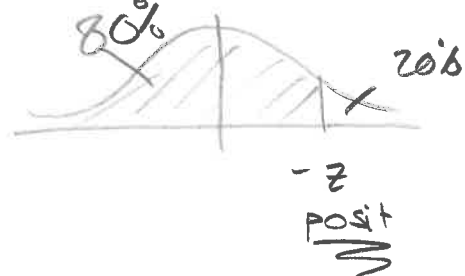
$$\frac{x - 74}{8,2} = 0,67$$

$$x = 79,494 \approx \underline{\underline{80(p)}}$$

b)

normitus \rightarrow 

$$z = \frac{x - \mu}{\sigma}$$



SiiS $\Phi(-z) = 0,20$

$$-z = 0,84$$

$$z = -0,84$$

$$\frac{x - \mu}{\sigma} = -0,84$$

$$\frac{x - 74}{8,2} = -0,84$$

$$x = 67,112 \approx \underline{\underline{67(p)}}$$

taulukosta

(laskimilla tarkempi arvo)