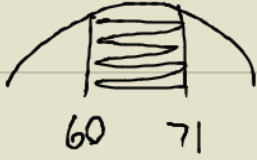


4. (a) $\mu = 70$ $\sigma = 2$

CALC



$$NCDF(60, 71, 70, 2) = .6915$$

BY HAND

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

$$X = 60$$

$$z = \frac{60 - 70}{2}$$

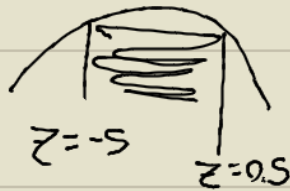
$$z = -5$$

$$X = 71$$

$$z = \frac{71 - 70}{2}$$

$$z = \frac{1}{2}$$

$$z = 0.5$$



$$z = 0.50$$

$$.6915$$



$$z = -5.00$$

$$.0002$$

$$= .6913$$