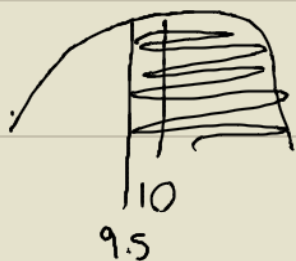


$$2. p = .0111 \quad n = 450$$

P(AT LEAST 10)



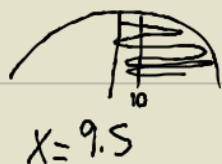
$$NCDF(9.5, E99, 450(.0111), \sqrt{450(.0111)(1-.0111)}) \\ = 0.0213$$

BY HAND

① $np(1-p) \geq 10$

$$450(.0111)(1-.0111) = 4.94 \quad \text{PRETEND IT IS OK}$$

②



$$z = \frac{x - np}{\sqrt{np(1-p)}}$$

$$z = \frac{9.5 - 450(.0111)}{\sqrt{450(.0111)(1-.0111)}}$$

$$z = 2.03$$



$$z = 2.03$$



$$z = 2.03$$

$$1 - .9788$$

$$.0212$$