- Ejercicios Terra 1:

a) 
$$P[X \angle 56800] = P[Z \angle \frac{56800 - 65300}{2100}]$$
  
 $P[Z \angle 0'7142] \Rightarrow Si buscamos en la table N(0, L)$   
teremos 0'71 = 0 0'761L|

b) 
$$P_{86} = 720 \times 20 \times 96$$
 $X = \mu + 2 V$ ;

 $P_{86} = 55300 + 108.2100 = 5756 \times 6$ ;

\* No pertence

$$800 = \mu - 0'67d;$$

$$1000 = \mu + 1'176d;$$

3. Designated Theorem (Controlled) Cheacher

$$P(\bar{x}-r \leq x \leq \bar{x}+r) > 1 - \frac{1}{\sqrt{2}} \qquad \begin{cases} \sqrt{2} = 64 + \frac{2}{2}, \\ \sqrt{2} = 20, \end{cases}$$

$$|x-r| = \frac{64}{20^2} \qquad \begin{cases} \sqrt{2} = \frac{64}{20^2} \\ \sqrt{2} = \frac{64}{20^2} \end{cases} > \frac{1}{\sqrt{2}} = \frac{64}{20^2} = \frac{1}{\sqrt{2}} = \frac{$$

b) 
$$S^2 = 64$$
;  $S = 8$ ; Hedia at 200 €

 $180 = 200 + 8\alpha_1$ ;  $\Rightarrow \alpha_1 = -2.5$ 
 $220 = 200 + 8\alpha_2$ ;  $\Rightarrow \alpha_2 = 2.5$ 

• Percents a distribución Normal:

 $Z_{-2.5} = 0.0062$  7 [0.0062  $\angle p \ge 0.0062$ ] (0.0062  $\angle p \ge 0.0062$ )

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4. B (1200, 0'05) 
$$M = n \cdot p = 1200 \cdot 0'05 \Rightarrow 60$$
  
 $C^{2} = 60 \cdot (1 - 005) = 57$ ;  $C = \sqrt{57} = 7'5498$   
 $Convertures$   
 $Convertures$   
 $Convertures$   
 $Convertures$ 

X~N(5,21794)

Lo \* Probabilidad de que acepte.