$$= \overline{X} - N(\mu, \frac{\theta}{\overline{L_n}}) \Rightarrow N(12.8) \frac{c}{\overline{L_n}}$$

$$p(\bar{x} > 17) = p(\bar{z} > \frac{17 - 12't}{6/16}) = p(\bar{z} > 2'8) = \lambda - p(\bar{z} < 28) = 0$$

8) 
$$p(11 \le \overline{x} \le 15'5) = p(z \le \frac{16.5 - 12.7}{6/16}) - p(z \le \frac{11 - 12.8}{6/16}) =$$

$$= p(z \le 1.8) - p(z \le -1'2) = p(z \le 1.8) - (1 - p(z \le 1.2)) =$$

$$\rho(\bar{x} > x) = 0.75 \rightarrow \rho(\bar{z} > \frac{x - 12'8}{1'5}) = 0.75 \rightarrow$$

Thosa 4 
$$\frac{x-12'8}{1'5} = -0.67449$$
 or  $x = 11.78\%$ 

$$p(s-y) = p(\frac{us^2}{o^2} > \frac{uy^2}{o^2}) = 0.1 = > p(x_{m_1}^2 > \frac{0.1^2}{o^2}) = 0.1$$

$$P(x_{16-1}^2 > \frac{16 \cdot y^2}{36}) = 0.11 = > \frac{16 \cdot y^2}{36} = 22.3071 = >$$