1.
$$X_1, \dots \times x_n \wedge E_{xp}(\beta)$$
 $f(x, \beta) = \frac{1}{\beta}e^{-\frac{x}{\beta}}$

$$F(x\beta) = 1 - e^{-\frac{x}{\beta}}$$

Test $Ho:\beta>1$

So We know that:
$$B(\beta) = P(X \in P) = P(X \ni I \mid \beta)$$

$$= I - P(X \vdash I \mid \beta)$$

$$= |-P[X<1]\beta)$$

= $|-F(1)| = e^{-\frac{1}{\beta}}$

$$\alpha = \sup_{\beta \neq 1} B(\beta) = e^{-1}$$

$$= \sum_{y} \left(\frac{y}{y} \right) p^{y} (1-p)^{y}$$

$$= P(Y = |P) + 1 - P(Y = 7|P)$$

$$= \sum_{y} {y \choose y} p^{y} (1-p)^{2}$$

$$= [-\sum_{y} {y \choose y} p^{y} (1-p)^{2}]$$

3
$$X_{1}$$
 $(x, \mu) = \frac{1}{\sqrt{12}} \frac{1}{\sqrt{12$