$$f(x) = \frac{1}{2\pi r^2} e^{-(x_1 \sqrt{3}/2) \sigma^2}$$

$$f_{yes}(x) = \Pr(X \mid Y = yes) \quad x = 10 \quad \text{vor } 6^2 = 360$$

$$f_{re}(x), \quad \Pr(X \mid Y = no) \quad \bar{X} : 6$$

$$x^2 + \Pr(Y = yes \mid X = 4)$$

$$\sum_{k=1}^{n} \prod_{k=1}^{n} f_{k}(x)$$

$$\sum_{k=1}^{n} \prod_{k=1}^{n} f_{k}(x)$$

$$p_{yes}(x) = p_{yes}f_{yes}(x) = p_{yes}f_{yes}(x)$$

$$\sum_{k=1}^{n} \prod_{k=1}^{n} f_{k}(x)$$

$$p_{yes}(4) = \prod_{yes} f_{yes}(4) + \prod_{n=1}^{n} f_{n}(4)$$

$$= 0.8 \left( \frac{1}{\sqrt{n} \cdot 3} e^{-(4-60)^2/2 \cdot 3} e^{-(4-60)^2/2$$