$$(2) \chi \sim B(10.0.7), P(\chi \ge 6) = |-P(\chi \le 5)$$

$$= 1 - 0.623 = 0.377$$

$$(3) \chi \sim B(10.05), P(\chi \le 4) = 0.377$$

34. (1)
$$\chi \sim P_0(0.5)$$
 $P(\chi = \chi) = \frac{e^{\chi} \cdot \chi^{\chi}}{\chi!}$

$$P(x=0) = \frac{e^{0.5} \cdot 5^{\circ}}{0!} = e^{-0.5} = 0.6065$$
 $P(x=k) = \frac{k}{x=0} \frac{u^{x}}{x} e^{x}$

$$p(xz1) = 1 - p(x=0) = 1 - e^{-0.5} = 1 - 0.6065 = 0.3935$$

$$p(\chi=0) = \frac{e^{-1}3^{\circ}}{0!} = e^{-1} = 0.0498$$

$$(2) p(\chi=2) = \frac{e^{-3}3^{\circ}}{2!} = 0.224$$

$$39. \chi \sim N(5.3.5^{\circ})$$

$$p(\chi=2) = \frac{e^3 3^2}{2!} = 0.224$$

$$P(\chi > 8) = P(Z > \frac{8-5}{3.5}) = P(Z > 0.8b)$$