## 第四次作业订正

秋元1.(3) 解: X ~ N( $\mu$ , 0.25) $E = X - \mu \Rightarrow E \sim N(0, 0.25)$ ( $g^2 = 0.25$ )	)		
$P( E  \le 0.6) = 2\Phi(\frac{0.6}{0.5}) - 1 = 2\Phi(1.2) - 1 = 0.7698$ (i) Y ~ B (20, 0.7698)  (ii) 记测量n次(独立测量)中误差绝对值不超过0.6m 的次数为Yn  则 Yn ~ B (n, 0.7698)			
	· < 0.		
		43.(0)解: Y2=e-X ∈(0,+∞). ∴ y≤v 財 fx.(y)=0.	
43.(2) [4]: $Y_2 = e^{-X} \in (0, +\infty)$ . $\therefore y \in \mathbb{N}$ $f_{Y_2}(y) = 0$ . $y > 0 \text{ B$.}  f_{Y_2}(y) = \frac{1}{\sqrt{2\pi}} e^{-\frac{(\ln y)^2}{2}} \cdot  (\ln y)'  = \frac{1}{\sqrt{2\pi}y} e^{-\frac{(\ln y)^2}{2}}$			
$f_{Y_{2}}(y) = \begin{cases} \frac{1}{J5\pi y} e^{-\frac{(l_{n}y)^{2}}{2}}, & y>0\\ 0, & \text{otherwise} \end{cases}$			
, comme			