$$E(X_i) = 0.25 = \frac{1}{4}$$

 $Var(X_i) = 0.0375 = \frac{3}{80}$

$$=$$
 $\Phi(2.84) = 0.997$

$$P(S_{730} \leq 60) \Rightarrow P(S_{730} + E(S_{730})) \leq P(\frac{60-60}{120})$$

$$\Rightarrow$$
 $P(Z_{130}) \leq \overline{\Phi}(0) = 0.5$

14.6
$$P(X < 26) = P(X \le 25.9)$$

14.9 P(T1+1- T1002 < 50) [= (ST1002]= 0.05 x1002 = 50,1 Var (ST602)= N Var (Ti) = 1002x4x10=0.4008 P (ST1002 < 5D) P (50- E (S71002)) = P (ZT1002 < 0.158)