Tz 
$$N = np = 6$$
  $T^2 = np(1-p) = 5.7$   
 $P(S_{100} \ge 10) = 1-2(\frac{4}{16.7}) = 0.047$ 

$$T_{3} = NP = 193.92 \qquad d^{2} = NP(-P) = 7.7568$$

$$P(S_{102} \leq 200) = 2 \neq \frac{6.08}{17.7568}) = 0.985$$

$$\begin{array}{cccc}
T_{Y} & P(S_{1500} > 15) = 1 - 2 & \frac{3}{15} & = 0.09 \\
P(S_{1500} > 15) = 1 - 2 & \frac{3}{15} & = 0.09 \\
P(S_{1500} > 15) = 2 \times P(S_{1500} > 15) = 0.19 \\
2) & P(S_{X} \leq 10) = 2 & (10) & \\
3 & 2 & 1 - P(S_{1500} > 12) & < 0.04
\end{array}$$

32 
$$2[I-P(S_x \le 10)] \le 0.04$$
  
8P  $P(S_x \le 10) \ge 0.98$ 

$$T_{5} = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

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$$T_{b} = \frac{1}{X^{2}} \qquad 2X_{z} = \int_{10}^{+\infty} \lambda x e^{\lambda x} dx = -x e^{\lambda x} \Big|_{10}^{+\infty} - \frac{1}{X^{2}} e^{\lambda x} \Big|_{10}^{+\infty}$$

$$= 10 e^{10\lambda} + \frac{1}{X^{2}} e^{10\lambda} = (10 + \lambda) e^{10\lambda}$$

$$2X_{z}^{2} = \int_{10}^{+\infty} \lambda x^{2} e^{-\lambda x} dx = -x^{2} e^{-\lambda x} \Big|_{10}^{+\infty} + 22X_{z}$$

$$= 120 + \frac{1}{X^{2}} e^{-\lambda x} e^{\lambda x}$$

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$$= 120 + \frac{1}{X^{2}} e^{\lambda e^{\lambda x}$$

$$= 120 + \frac{1}{X^{$$