



 $(T=7) = -C_{0.5} = -0.5 \cdot (0.5-1) \cdot (0.5-2) \cdot (0.5-3)$ 

$$P(T = 123) = -C_{0,5}^{2V2} = -C_{0,5}^{62} = -C_{0,5}^{62}$$

2.3

$$M(t) = MGF = E(exp(tw)) = (1+2t+7t^2+20t^3)$$
 $E(w)? = M(0) = [2+72t+203t^2]$ 
 $E(w)? = M''(0) = [42+2032t+...]$ 
 $E(w)? = M'''(0) = [2032t+...]$ 
 $E(w)? = M'''(0) = [2032t+...]$ 
 $E(w)? = M'''(0) = [2032t+...]$ 
 $E(w) = M'''(0) = [2+72t+2+203t^2]$ 
 $E(w) = M'''(0) = [2+72t+203t^2]$ 
 $E(w) = M'''(0) = [2+72t+2032t+...]$ 
 $E(w)? = M'''(0) = [2+72t+2032t+...]$