1. a)
$$1 = \int_{-\infty}^{\infty} f_{x}(x) dx = 2ct^{4}c + 2c$$

8 $c = 1 = p = c = 1/8$

b) $P(1 \le x \le 8) = P(1 \le x \le 2) + P(4 \le x \le 6) + P(7 \le x \le 8)$

1. a) $P(M = x) = (1 - p)^{x-1} + P(x) =$

4. $X=U^n$ CDF: $P(X \in A)$: $F_{*}(A)$: $P(U^* \in A)$: $P(U \in TA)$: Ta/i: T

44)
$$F_{\mu}(A) : P(U^{\mu}SA) :$$

In even: $P(-a^{\mu} S \cup S a^{\mu} A) : F_{\nu}(a^{\mu}) : F_{\nu}(a^{\mu}) : [a^{\mu}X_{\nu} + a^{\mu}X_{\nu}] : a^{\mu}A = a^{$