3.24 $S = \{0, 1, 2, \ldots\}$

$P[i] = \exp(-2)\frac{2^i}{i!}$ is this Valid

Poisson distribution with $\lambda = 2$

Axiom1 always non-negative Axiom 1

Axiom2 sum to 1 = true Axiom 2

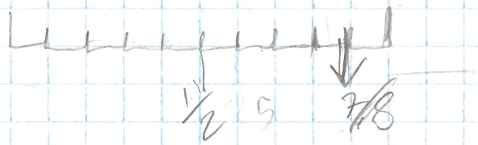
4.1 if $B \subset A$ B subset of A what is $P[A|B]$

$= 1$

P of A given B

$= 1$

4.2 x Random in $(0,1)$ $x \geq 1/2$



$= 1 - 0,875 = 0,125$ $\frac{0,125}{0,5} = 0,25$

4.16 $A \cap B = \emptyset$ $P[A \cap B] = P(A)P(B)$

Mutually exclusive Independent

stoleleg?

4.20 $S\{1,2,3,4\}$ $A = \{1,2\}$ $B = \{1,3\}$ $C = \{1,4\}$