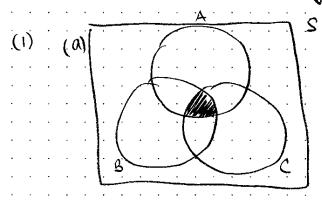
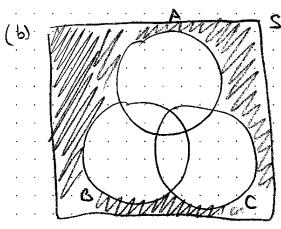
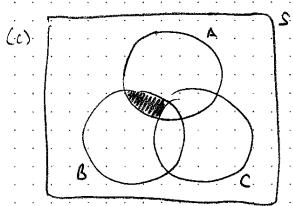
I, NEUN LIANCY, with U10 705575353 have read and inderstood the policy of academic integrity.



ANBAC



(AUBUC)



Anbnc

(b)
$$P(A1B) = \frac{P(AnB)}{P(B)} = \frac{1}{3/10} = \frac{1}{3}$$

(c)
$$P(B|A) = \frac{P(B|A)}{P(A)} = \frac{1}{2/10} = \frac{1}{2}$$

(a)
$$E(x) = (-2) \frac{1}{4} + 0 \cdot \frac{1}{2} \cdot 2 \cdot \frac{1}{4} = \boxed{0}$$

[uncorrelated].

(5)
(a) S. & HUH, HHT, HTH, THH, HTT, THT, TTH,
TTTZ

(b) $P(14) = 3 \cdot \frac{1}{4} \cdot \frac{3}{4} \cdot \frac{3}{4} = \left[\frac{27}{64}\right]$

(6)

(a) This is a binomiel random vericity

(b) by linearly of expectation, the expected

Hot lokes for the second is just