Jonathan Tso Homework 4 - CS 411

a) 0= (Circle, Blace 11) = 15 (Ciwa, Bull) = /c (Diamond, Red 11) = (Cirot Gues 10) : 3 (Square, Blue 1) = (Diamend, Blue 10) = 15 (Square, 2011):215 (Diamend Guerte) = 215 (Blue 11) = 2/5 (Cick 11)=15 (Blu 10) = 2/5 (Civario) = 2/5 (Diamond 11)= 15 (Green 11) 20/5 (Diemond 10) = 3/5 (bremlu) = 3/5 (Sq 11):3/5 (ned 12) = 3/5 (Red10) = 0/5 (5710) 00/5 12(1) = 1/2

(2(1) = 7)

b) (Sharl(du) = 6 = (Circle, Red)...

(circle 12) = 2/8 (Blue 11) = 3/8

c) (Circle 10) = 3/8

(Diamond 12) = 2/8 (Green 12) = 1/8

(Dia 10) = 1/8 (Green 12) = 1/8

(Sq 12) = 1/8 (Red 10) = 1/8

g) 1/8

(1) Pr
$$[X : 2^{x}] \cdot 2^{x}$$

(2) $E(X) = \infty$
 $E(X) : X \cdot P$

$$= (2^{x})(\frac{1}{2}) \cdot (2^{x}) \cdot ... (2^{x})(\frac{1}{2}) \cdot ... (2^{x})(\frac{1}{2}$$

