Q2

Sample spawe = {RR, RG, RB, GR, GG, GB, BR, BG, BB}

Probability of each point in sample space = 1/9

Q3. See Trynb fihe.

h) (HACAS)

$$Q_{4}$$
  $\frac{1}{2}$   $A - 1R^{\frac{1}{2}}$   $\frac{1}{2}$   $B - 2R^{\frac{2}{3}}$   $\frac{2}{3}$   $\frac{1}{3}$   $\frac{1}{3}$ 

a): 
$$\frac{1}{2} \times \frac{1}{2} + \frac{1}{2} \times \frac{2}{3} = \frac{7}{12}$$

b) 
$$P(A|W) = \frac{P(A\cap W)}{P(W)}$$

$$= \frac{1}{2} \times \frac{1}{2}$$

$$= \frac{1}{4} \cdot \frac{1}{2} = \frac{3}{5}$$