(a) 
$$P(wh|ga) = P(ga|wh) \cdot P(wh) = \frac{0.99 \cdot 0.85}{0.95} = 0.885$$

(6) 
$$P(ga|wh) = P(wh|ga) \cdot P(ga) = (1-0.885) \cdot 0.95$$
  
 $P(wh) = 0.728$ 

3. (a) 
$$P(f|h) = P(h|f) \cdot P(f)$$

$$= \frac{1}{n+1}$$

$$= \frac{1}{n+1}$$

$$(6) ?$$

$$= \frac{1}{n} \cdot \frac{n}{n+1}$$