4.40 a. 
$$P(K) = .7$$

b.  $P(R|K) = |$ 

c.  $P(K|R) = P(R|K) P(K) = .7 \cdot 1$ 
 $P(R) = P(R|K) P(R|K) P(R|K)$ 
 $P(R) = P(R|K) P(R|K) P(R|K)$ 
 $P(R|K) = P(R|K) P(R|K)$ 
 $P(K|R) = .7 \cdot 1$ 
 $P(K|R) = .7 \cdot .3$ 
 $P(K$