

HW 1

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1. 0.39
2. True: $P(e \cap w) = P(e)P(w)$
and $P(w \mid e) = P(w)$
3. $P(w) = 0.47$, need to assume that both are independent events (no overlaps in the sets)
- 4.
5. $\frac{1}{52}$
6. a 0.39
 b 0.38
 c 0.31
 d 0.31
7. 0.154
8. a 0.87
 b 1