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. 0.009
- 8. a 0.87
 - b 1