

**Math 1313 Online**  
**Week 10**  
**Popper 18(Wednesday's Lecture)**

---

**Instructions**

- Homework will NOT be accepted through email or in person. Poppers must be submitted through CourseWare. BEFORE the deadline.
  - Submit the completed assignment at <http://www.casa.uh.edu> under "EMCF" and choose Popper 18.
- 

1. Do not ask on the discussion board, what was the answer to question 1 from Wednesday's lecture, so mark the same answer according to the video?
2. Do not ask on the discussion board, what was the answer to question 2 from Wednesday's lecture, so mark the same answer according to the video?
3. An unbiased coin is tossed 14 times. Find the probability that the coin lands heads exactly 8 times.
  - a. 0.2433
  - b. 0.5714
  - c. 0.1833
  - d. 3003
4. Six cards are selected at random without replacement from a well shuffled deck of 52 playing cards. What is the probability of getting at least 4 black cards? **Should you use the complement to solve this?**
  - a. Yes
  - b. No
5. A fair coin is tossed 25 times. What is the probability that at most 22 heads occur?
  - a. 0.999922
  - b. 0.000078
  - c. 0.999990
  - d. 0.000069
  - e. 0.000010