

Math 1313 Online

Week 13

Popper 23(Monday'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 23.
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1. Do not ask on the discussion board, what was the answer to question 1 from Monday'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 Monday's lecture, so mark the same answer according to the video?
3. A box contains 17 nickels, 11 dimes and 19 pennies. You pick a coin at random from the box, what is the average value of the draw?
 - a. 0.0214
 - b. 0.0455
 - c. 0.1567
 - d. 0.7133
4. The odds that a child entering a convenience store with her parents will not get a package of cupcakes are 1 to 11. What is the probability she will get a package of cupcakes?
 - a. 0.0833
 - b. 0.0909
 - c. 0.1236
 - d. 0.9167
5. The probability distribution of a random variable X is given below. Given the mean $\mu = 4$

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|------------|------|------|------|------|
| X | 1 | 3 | 5 | 7 |
| $P(X = x)$ | 0.15 | 0.35 | 0.35 | 0.15 |

Find the standard deviation.

- a. 3.400
- b. 10.830
- c. 1.844
- d. 3.291