

# Math 1313 Online

## Week 1

### Popper 2(Friday'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 2.
- 

1. An office building worth \$1 million when completed in 2000 is being depreciated linearly over 50 years. (Assume scrap value is \$100,000) What is the linear depreciation?
  - a. \$20000
  - b. \$18000
  - c. \$2000
  - d. None of the above
2. The answer was stated in class, so what was the answer? Watch the video to find out.
3. A division of Carter Enterprises produces "Personal Income Tax" diaries. Each diary sells for \$18. The monthly fixed costs incurred by the division are \$35,000, and the variable cost of producing each diary is \$4. What is the profit function?
  - a.  $P(x) = 22x + 3500$
  - b.  $P(x) = 14x + 35000$
  - c.  $P(x) = 14x - 35000$
  - d. None of the above
4. Find the break-even point for the previous problem.
  - a. (8333.33, 25000)
  - b. (3125, 25000)
  - c. (2500, 45000)
  - d. None of the above
5. The answer was stated in class, so what was the answer? Watch the video to find out.