

NAME \_\_\_\_\_

## REVIEW

*Rules of the Review:*

- Open book, open notes, open mind.
- Nothing is real; everything is permitted.

*Differentiate each of the following functions:*

1.  $f(x) = x^3 \cdot \sin(4x)$

2.  $f(x) = \ln(2x - 7)$

3.  $f(x) = \frac{x^7 + 3x^5 - 1}{e^x}$

*Find an antiderivative for each of the following functions:*

4.  $f(x) = 4x^2 + 7$

5.  $f(x) = 2x \cdot \tan(x) + x^2 \cdot \sec^2(x)$

*Answer the following questions:*

6. When is your final?
7. How can you earn extra points?
8. Are you allowed to hand in homework late?
9. What does the Wheaton Honor Code mean in the context of this class?
10. Should you keep the syllabus and schedule or throw them out?