

## AP CALCULUS



## 5.1.5 -A Checkup : Learn By Doing

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Before you check off a new skill on your math checklist, take a few minutes to practice using it. This checkup activity offers you a chance to work through a set of practice problems. These problems will be very similar to the types of questions you'll be asked in upcoming quizzes or tests.

**Directions:**

1. You can either, download and print your assignment or fill in your responses here.
2. When you are done, submit your work to your Instructor.
3. *Do not* advance to the next page until you have completed your Assignment.
4. Your Instructor will determine Grading Criteria for this Exercise.

**Answer the following questions using what you've learned from this lesson.**

1.  $f(x) = 2x + 1$

2.  $f(x) = 1 - 3x$

3.  $f(x) = x^2 - x + 11$

4.  $f(x) = x^4 - x^2$

5.  $f(x) = 1 + x + \frac{x^2}{2} + \frac{x^3}{3} + \frac{x^4}{4}$

6.  $f(x) = \frac{1}{x}$

7.  $f(x) = e^x$

8.  $f(x) = \frac{2}{x}$

9.  $f(x) = e^{2x}$

**10.**  $f(x) = \frac{1}{2+x}$