### ASSIGNMENT 01-PART 2 CHAPTER 03&4:

### Subject: MAE101

### Name: ……………….

### Class:………………..

|  |  |  |
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| ***No*** | ***Exercises*** | ***Answers/Note*** |
| 1-2 | 16. |  |
| 3-4 | Each limit represents the derivative of some function *f* at some number *a*. State such an *f* and *a* in each case.  30.    31. |  |
| 5 |  |  |
| 6 |  |  |
| 7-9 |  |  |
| 10 |  |  |
| 11-13 | 3-14. Find dy/dx by implicit differentiation. |  |
| 14-16 | 14. |  |
| 17 | 24. |  |

|  |  |  |
| --- | --- | --- |
| 18-20 |  |  |
| 21-22 |  |  |
| 23 | 12. |  |
| 24-26 | 10.    12. |  |
| 27 |  | Optional |
| 28-29 |  |  |
| 30 | 32. The graph of a function f is shown. Which graph is an antiderivative of f and why? |  |