

This homework is due in class next Friday, October 15. It covers 3.3 and 3.4: the product rule, the quotient rule, and derivatives of trigonometric functions. The next homework assignment will be due on Wednesday, October 20, and there will be a test on Friday, October 22, covering through Section 3.6.

Remember that you can work with other students on homework problems, but you should write up and turn in your own solutions.

Except where a problem requires you to do otherwise, you should use derivative rules (not limits) to compute derivatives.

When applying rules, you should show individual steps in the computation, not just the final answer! Remember that you are always required to show your work.

1. Section 3.3, pages 152–154

Recommended for practice: # 9, 11, 13, 21, 27, 41, 45, 55

To be turned in: # 12, 20, 46, 52, 76

2. Section 3.4, pages 161–163

Recommended for practice: # 7, 9, 17, 21, 28, 35, 51, 69, 71

To be turned in: # 8, 30, 48, 54, 58