

Instructions: \implies

If you do not read the instructions, then how will you know what to do? Read them now.

Be sure to enter all required information on the scantron.

Section number: 060

- *This test is multiple-choice. You must mark your answer on the provided scantron. Before you begin, fill in all the required information on the scantron.*
- *Fill in the appropriate bubbles for your information and for your answers on the scantron very carefully.*
- *You may use one 8.5 × 11 inch note sheet prepared in advance. You may write on both sides of your note sheet.*
- *Note sheets may not be shared. If you do not bring a note sheet you will have to do without any help notes.*
- *You may not use any books, notebooks, additional note sheets nor note cards.*
- *You are expected to have a simple scientific calculator available for use on this test. Calculators and other equipment may not be shared.*
- *You may use a simple graphics calculator but not a laptop computer nor any device capable of extensive symbolic manipulation (other than your own brain).*

This document is a list of sample problems for test 2. It includes the actual test header so you can read the instructions in advance. The actual test may, however, be much longer or much shorter.

Problem 1. Consider the composition $h = f \circ g$, that is, $h(x) = f(g(x))$. If $g(0) = 1$, $g(1) = 0$, $f(0) = 3$, $f(1) = 2$, $g'(0) = 2$, $g'(1) = 4$, $f'(0) = 2$ and $f'(1) = 3$ then compute $h'(1)$.

- A.) 2 B.) 3
C.) 6 D.) 8 E.) None of the above.

\leftarrow Write letter corresponding to your answer here and mark it on the scantron (Problem 1).

- Text, page 143, number 13, 14
- Text, page 149, number 7, 9
- Text, page 155, number 25,26
- Text, page 166, number 22, 23, 24, 28, 35