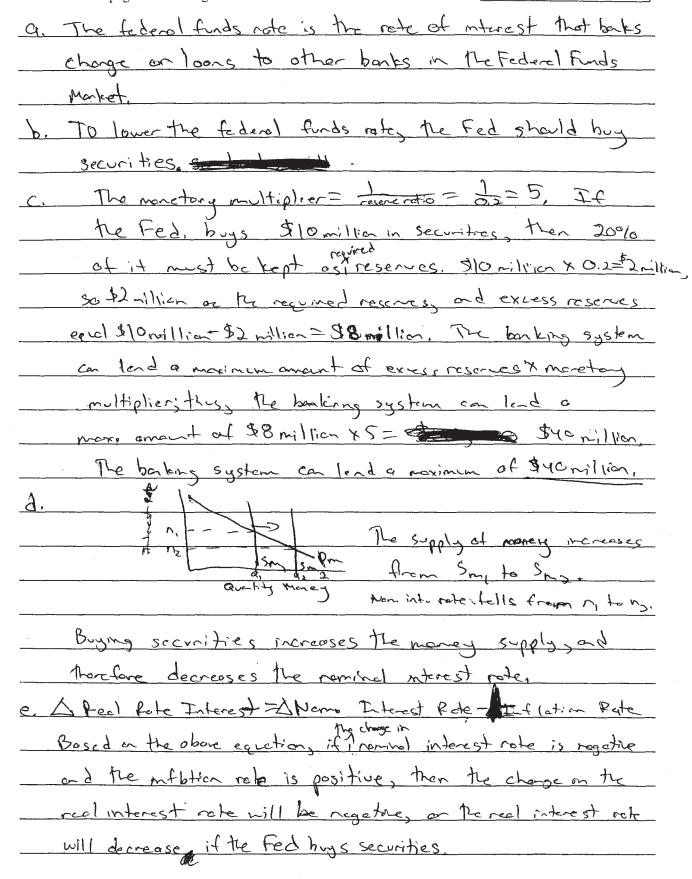
AP® MACROECONOMICS 2007 SCORING GUIDELINES

Question 2

6 points (1 + 1 + 1 + 1 + 2)

- (a) 1 point:
 - One point is earned for stating that the federal funds rate is the interest rate on short-term loans between banks.
- (b) 1 point:
 - One point is earned for stating that the Fed should buy bonds.
- (c) 1 point:
 - One point is earned for calculating the maximum change in loans, which is \$40 million.
- (d) 1 point:
 - One point is earned for stating that the nominal interest rate will fall.
- (e) 2 points:
 - One point is earned for stating that the real interest rate will fall.
 - One point is earned for explaining that the real rate falls because the nominal rate has decreased and inflation has increased.



| Write in the box the number of the question you are answering on this page as it is designated in the exam. | question #2 |
|---|-----------------|
| e) When inflation goes up, the real rate | of interest 2 |
| will increase. The term term "real": | |
| that the "rate of interest" is the nom | , |
| interest adjusted for the inflation. Thu | |
| 9 | |
| goes up, the real rate of interest 1 increase. For example, if there is a 5% change | se in inflation |
| the real interest rate will go up an | |
| The read the east for the second go of the | score grig ig. |
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Write in the box the number of the question you are answering on this page as it is designated in the exam.

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| A) The Federal Funds rate is the interest rate charged | | |
|--|--|--|
| to banks as they town morey from the Federal Reserve. | | |
| B) The Federal Reserve should buy open market securities | | |
| in order to compriment the lowering of the federal | | |
| Fundinte. | | |
| C) The maximum charge in loans would earnai | | |
| two million dellar | | |
| D) The purchase of open-market securities would lead | | |
| to the decrease of the nominal interest rate. | | |
| E) In this case, the purchase of securities could cause | | |
| an increase on the real interest rate becomes due to | | |
| the unantizipated inflation, | | |
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AP® MACROECONOMICS 2007 SCORING COMMENTARY

Question 2

Overview

The question assessed the students' understanding of the federal funds rate, the relationship between open-market operation and the federal funds rate, the effect of open-market operations on the nominal interest rate, and the relationship between the nominal interest rate and real interest rate.

Sample: 2A Score: 6

The student earned all points in this question.

Sample: 2B Score: 4

In part (e) the student incorrectly concludes that the real interest rate increases and fails to explain correctly, losing 2 points.

Sample: 2C Score: 2

The student earned 1 point in part (b) for correctly identifying the open-market operation associated with lowering the federal funds rate. The student earned 1 point in part (d) for correctly identifying the effect of the open-market operation on the nominal interest rate.

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