In-class Exercise: Money Multiplier		
Directions: Work in groups of up to for papers will be collected, but only one mentand all members of the group will receive	mber's paper will be randon	○ •
By signing below, you agree that the the group, and you are willing to accept earned from this representation of your sterms to earn a non-zero grade for this as	as your own grade for the g group's work. Every memb	roup project the grade
Signature Group Member 1	Print Name	Date

Name: _____

Print Name

Print Name

Print Name

Date

Date

Date

ECO 301: Money and Banking

Signature Group Member 2

Signature Group Member 3

Signature Group Member 4

1.	Suppose the required reserve ratio in 2%, banks hold an extra 3% of deposits in excess reserves, and consumers hold currency balances that are about 10% of what they hold in deposits in banks. Suppose the Fed makes an open market sale of \$150 million of government bonds.
	(a) What is the impact on the monetary base?
	(b) What is the impact on the M1 money supply?
	(c) What is the impact on the amount of deposits held in the banking sector.
	(d) What will be the impact on the interest rate in equilibrium?
2.	Suppose the monetary base is \$800 billion, the required reserve ratio is 5%, banks do not hold any excess reserves, and consumers hold currency balances that are about 5% of what they hold in deposits in banks. Suppose uncertainty increases in the banking sector regarding consumer default and depositors needs causing them to increase excess reserves to 10%. (a) What is the impact on M1 money supply?

(b) What is the impact on the amount of deposits held in the banking sector.
(c) What will be the impact on the interest rate in equilibrium?
3. Suppose an increase in computer financial technology causes consumers to decrease the amount of money they hold in currency from 5% of the amount they hold in deposits to 1%. The monetary base in \$650 million, the required reserve ratio is 3% and banks hold an extra 2% of deposits in excess reserves.(a) What is the impact on M1 money supply?
(b) What is the impact on the amount of deposits held in the banking sector.
(c) What will be the impact on the interest rate in equilibrium?