Introduction to Finance Quiz 1 October 23, 2018

Problems. Show all work!

1.	Con	sider a Trea	sury bill that matures in 6 months – 6	exactly one-half of a year. The price of this bill is 97.80.
	(a)	(7 points)	What is the 6-month discount factor	and what does this mean?
	(b)	(7 points)	What is the semi-annually compound	led yield on this security?
	(c)	(7 points)	What is the continuously-compounded	d yield on this security?
	(4)	(7 points)	What is the monthly compounded vi	old on this security?
	(u)	(* points)	What is the monthly-compounded yi	end on this security:

	(e) (20 points) Suppose you buy \$10,000 par value of this security at this price. Three months later, the security's yield has not changed, and you sell the bill. What are your cash flows on the dates that you buy and sell the bill? What is the continuously-compounded yield on holding the bill for three months?
2.	(7 points) Suppose that you deposit \$2,000 into a 5-year bank Certificate of Deposit that earns 5% compounded monthly. What will the value of this CD be when it matures in 5 years?
3.	(7 points) Suppose that you deposit \$12,000 into a 3-year bank Certificate of Deposit that earns 3.5% compounded continuously. What will the value of this CD be when it matures in 3 years?

