

Math 155, Fall 2017  
Exam 1

NAME: (Last, First) \_\_\_\_\_

This is a 50 minute exam. All work must be shown for full credit.

*Good Luck!!*

Question	Points	Score
1	10	
2	10	
3	10	
4	10	
5	20	
6	20	
7	20	
Total:	100	

1. (10 points) Convert the base 3 numeral  $201_3$  to base 10.

2. (10 points) Convert the base 2 numeral  $1110_2$  to base 10.

3. (10 points) Convert the base 10 numeral 59 to base 3 .

4. (10 points) Convert the base 10 numeral 92 to base 5 .

5. Suppose that you borrow \$2500 from a family member for 3 years. You agree to pay them back with 4% yearly simple interest.

(a) (10 points) How much interest do you pay them at the end of the loan?

(b) (10 points) How much do you owe them at the end of the loan?



*This page is intentionally left blank for work.*