

Mat 103 Quiz 1 Review


Name: _____

Please show all your work to get full credit.

1. Plot $-\frac{1}{5}$, $\frac{1}{3}$, $\frac{8}{5}$, $-\frac{5}{15}$, and $-\frac{19}{15}$ on the same number line. (3 pts)



2. Fill in the missing entries the chart below. If an entry is greyed out, you do not have to fill anything in this entry. So just fill in the empty entries so that the items in that row make sense. (8 pts)

Decimal Number	Percentage	Equivalent Fraction	Fraction in the simplest form	Graphical representation
0.0003				
		$\frac{\square}{20}$		
		$\frac{12}{16}$		
	235%			
		$\frac{\square}{25}$	$\frac{7}{5}$	

3. How you plot the counting numbers 1 through 12 on a circular number line? What would be the benefits and how could we use it to count 23? Please show all your work.

4. Is there a way to plot -34.00001 , -34.000001 , -34.000002 on the same number line? If yes, please show how.

5. Show to plot $2 + 3i$ on the complex plane.

6. Fill the chart below.

For each column check all the labels that apply.		-12	$\frac{25}{15}$	$7 - 3i$	$\sqrt{2}$	$2.0\overline{23}$
A. Whole Number						
B. Integer						
C. Rational	Irrational	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Real Number						
E. Complex Number						