Math 185 Homework 1

Due: 24th February

Question 1: Convert the following into fractions

1. 53.1804

2. -0.0132

3. $4.\overline{3}$

Question 2: Write the following both as a sum in expanded place value form and in scientific notation

1. 53.1804

2. -0.0132

3. 32124.86

Question 3: Arrange the following in increasing order

- 0.6021

- 0.62001

- 0.60201

- $\frac{31}{50}$

- $\frac{6,201}{10,000}$

Question 4: Using a calculator, compute the value of the following to three decimal places

1. $\frac{2}{7} + \frac{3}{12}$

2. 432.831×119.3478

3. $\sqrt{312}$

Question 5: Convert the following fractions into decimals. Show your working (i.e. do not use a calculator).

1. $\frac{7}{20}$

2. $\frac{13}{40}$

Question 6: Convert the following decimals into fractions. Show your working (i.e. do not use a calculator).

1. $0.\overline{25}$

2. $4.2\overline{057}$