

MA 201

1. Know that there are infinitely many irrational numbers.
2. Know that every position on the number line represents a real number and every real number is represented by a position on the number line.
3. Know that there are positions on the number line which do not represent rational numbers.
4. Evaluate. Use fractions to justify your answer.
 - (a) $456.78 + 56.7124$
 - (b) $1235.92 - 156.98101$
 - (c) 45.67×5.1
 - (d) $916.755 \div 1.25$
5. Express the following decimals using scientific notation with the specified number of significant digits.
 - (a) 465.25235 with 6 significant digits
 - (b) 67.2617 with 4 significant digits
 - (c) 0.01364 with 3 significant digits
 - (d) 0.00001662 with 5 significant digitis
6. Use long division to determine the decimal expansion of thd following fractions.
 - (a) $\frac{1}{3}$
 - (b) $\frac{3}{7}$
 - (c) $\frac{1}{12}$
7. Do problems 20–23 in Section 7.2.
8. Do problems 1–4 in Section 7.3.
9. Do problems 1–4 in Section 7.4.
10. Do problems 5 and 6 in Section 7.3.