

## Class 9<sup>th</sup> Maths Test- CH-1

**Q.1** Find six rational numbers between 3 and 4.

**Q.2** Express the following rational numbers as decimals.

a)  $327/500$     b)  $-4/9$

**Q.3** Express each of the following decimals in the form p/q:

(i)  $0.\overline{4}$     (ii)  $0.\overline{37}$

**Q.4** Simplify :  $(4+\sqrt{3})(4-\sqrt{3})$

**Q.5** Rationalise the denominator of  $\frac{1}{\sqrt{3}-\sqrt{2}}$ .

**Q.6** If  $x = (2+\sqrt{3})$ , find the value of

$$x^2 + \frac{1}{x^2}$$