A _____ variable is of the form x+iy, where x and y are real numbers.
complex

The simplification of i55 is _____
-i

If the discriminant of a quadratic equation is greater than zero. The equation will have two _____ solutions.
distinct real

Suppose $z_5=2+3i$ and $z_6=6+9i$ are complex numbers and $3z_5+7z_6=m+in$. The values of m is
48

The equation: $x^2-4x+5=0$ has _____ roots.
Real

Suppose α and β are the roots of an equation: $ax^2+bx+c=0$. Then, $-ba$ is the _____ of roots.
Sum

An equation of the form: $ax^2+bx+c=0$, where a, b and c are constants is referred to as _____ equation.
quadratic

Which is the correct solution of $x^2+7x+12=0$?
-4 and -3

The sum of the first n _____ numbers is given by $1+2+3+…+n=n(n+1)2$
Natural

If $z_3=3+2i$ and $z_4=4+3i$. Then, $z_3 × z_4$ is
6+17i