Rotation

**Ro**

Every point on an object moves through the same angle relative to a fixed point

Transformation

**Ts**

Moves a shape from one place to another … there are 4 different transformations

Reflection

**Rf**

Corresponding points in the object and image are the same distance from mirror line

Translation

**Tl**

Every point moves the same distance and direction

Enlargement

**Eg**

Changes the size of the object but not the angles - the image is a similar shape

Scale Factor

**SF**

Used to describe an enlargement; It is the ratio of two corresponding lengths

Vector

**V**

Used to describe a translation

Centre of rotation

**Cr**

The fixed point, about which a rotation is made

Direction

**Di**

Used to describe a rotation, as either clockwise or anti-clockwise

Mirror Line

**Ml**

Used to describe a reflection – usually stated in the form

y = mx +c