Rotations

A rotation about a point O through α° maps every point P into P' such that:

- 1. If P is different from O, then OP' = OP and $m \angle P'OP = \boldsymbol{\alpha}^{\circ}$
- 2. If P is the point O, then P' is the same as P

The mathematical notation used to describe a rotation is $R_{(a,b) 30^{\circ}}(x, y)$.

That is read a rotation of (x, y) about the point (a, b) through 30°.

