## Chapter 3 Rigid Motions

# Constructions Instruction Sheet

### Line reflection Construct the perpendicular bisector

### Example



Steps:

### 3) Finding the point and angle of rotation.

### Example



Steps:

### 4) Finding the angle of rotation:

Example:

5) Drawing a line parallel to a given line or vector passing through a point not on the line (obviously).

Alternate Method. Also Translating a point in the direction and magnitude of a vector.

Example



Steps:

#### 6) Translate point Calong vector AB

Steps:

# Coordinate Geometry Transformations Summary



