AutoCAD Coordinate Entry Methods

**Absolute Method: (X,Y)**
Absolute Cartesian coordinates specify a point’s exact distance from the origin point of the coordinate system, which is represented as (0,0). The absolute X and Y coordinates are signed numbers.

**Relative Method: (@X,Y)**
Relative Cartesian coordinates specify a point’s exact distance from the last point that was entered.
For example, typing @4,2 tells AutoCAD to locate a point that is four X units and two Y units away from the last point entered. The X and Y relative coordinates are signed numbers.
Direct distance entry is a shorthand relative coordinate entry method.

**Polar Method: (@Distance<Angle)**
Polar coordinates specify a point’s exact location by a distance and angle from the last point that was entered. The distance is always positive and the angle is measured from the positive X axis.
For example, typing @4<45 tells AutoCAD to locate a point that is four units away from the current location and at an angle of 45 degrees from the horizontal.

**ABSOLUTE COORDINATE EXERCISE**

![Diagram of a shape with coordinates]
RELATIVE COORDINATE EXERCISE

POLAR COORDINATE EXERCISE