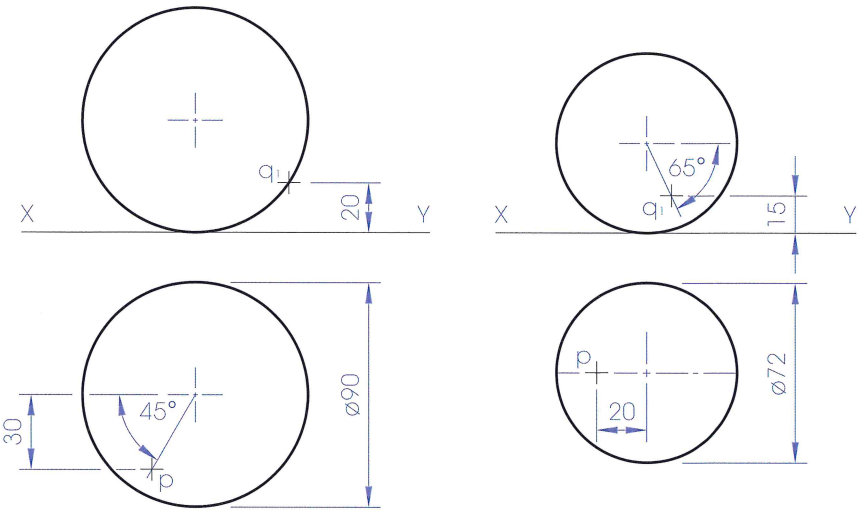
Exercises

The elevation and plan of **two spheres** are shown over. The **plan** of a point **P** on the upper surface and the **elevation** of a point **Q** on the lower surface of each sphere are also shown. In each case:

(a) Locate point **P** in the **elevation**.

(b) Locate point **Q** in the **plan**.



Answer Worksheets 27A and 27B

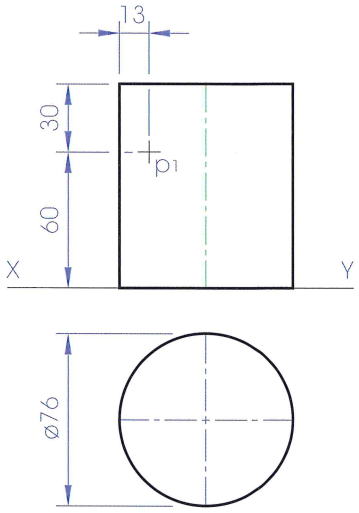
The Cylinder

Example

The elevation and plan of a **cylinder** are shown over. The location of a point **P** on the front part of the curved surface of the cylinder is also shown.

(a) Draw the given views and locate point **P** in elevation and plan.

(b) Draw an end elevation of the cylinder showing the location of point **P**.



1. The given views are drawn as shown and point **P** is located in elevation.
2. Point **P** can be projected to lie on the circumference of the circle in plan as the circumference represents the curved surface of the cylinder in this view.
3. The end elevation of the cylinder is drawn in the normal manner, as shown below, right.
4. Point **P** can be located in this view as its location has already been established in two orthographic views.