2-87. Determine the lengths of cords ACB and CO. The point at C is located midway between A and B.

Prob. 2-87

2-92. Determine the magnitude and coordinate direction angles of the resultant force acting at point A.

Prob. 2-92

2-94. The engine of the lightweight plane is supported by struts that are connected to the space truss that makes up the structure of the plane. The anticipated loading in two of the struts is shown. Express each of these forces as a Cartesian vector.

Prob. 2-94

2-97. Express each of the forces in Cartesian vector form and determine the magnitude and coordinate direction angles of the resultant force.

Prob. 2-97