



NAME

DATE

PROBLEM AP-19**GIVEN:**

A force of $\mathbf{F} = \{6\mathbf{i} - 2\mathbf{j} + 1\mathbf{k}\}$ kN produces a moment of $\mathbf{M}_O = \{4\mathbf{i} + 5\mathbf{j} - 14\mathbf{k}\}$ kN·m about the origin of coordinates, point O . If the force acts at a point having an x coordinate of $x = 1$ m, determine the y and z coordinates.

REQUIRED:**SOLUTION:**