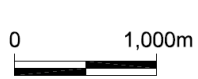
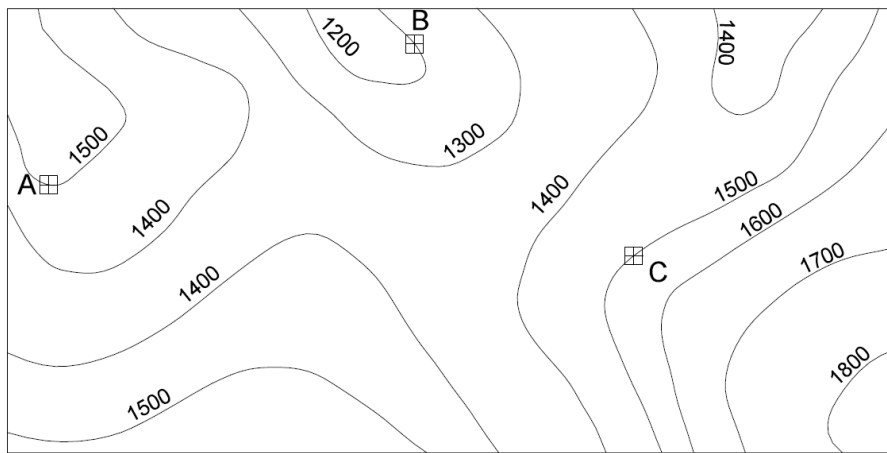


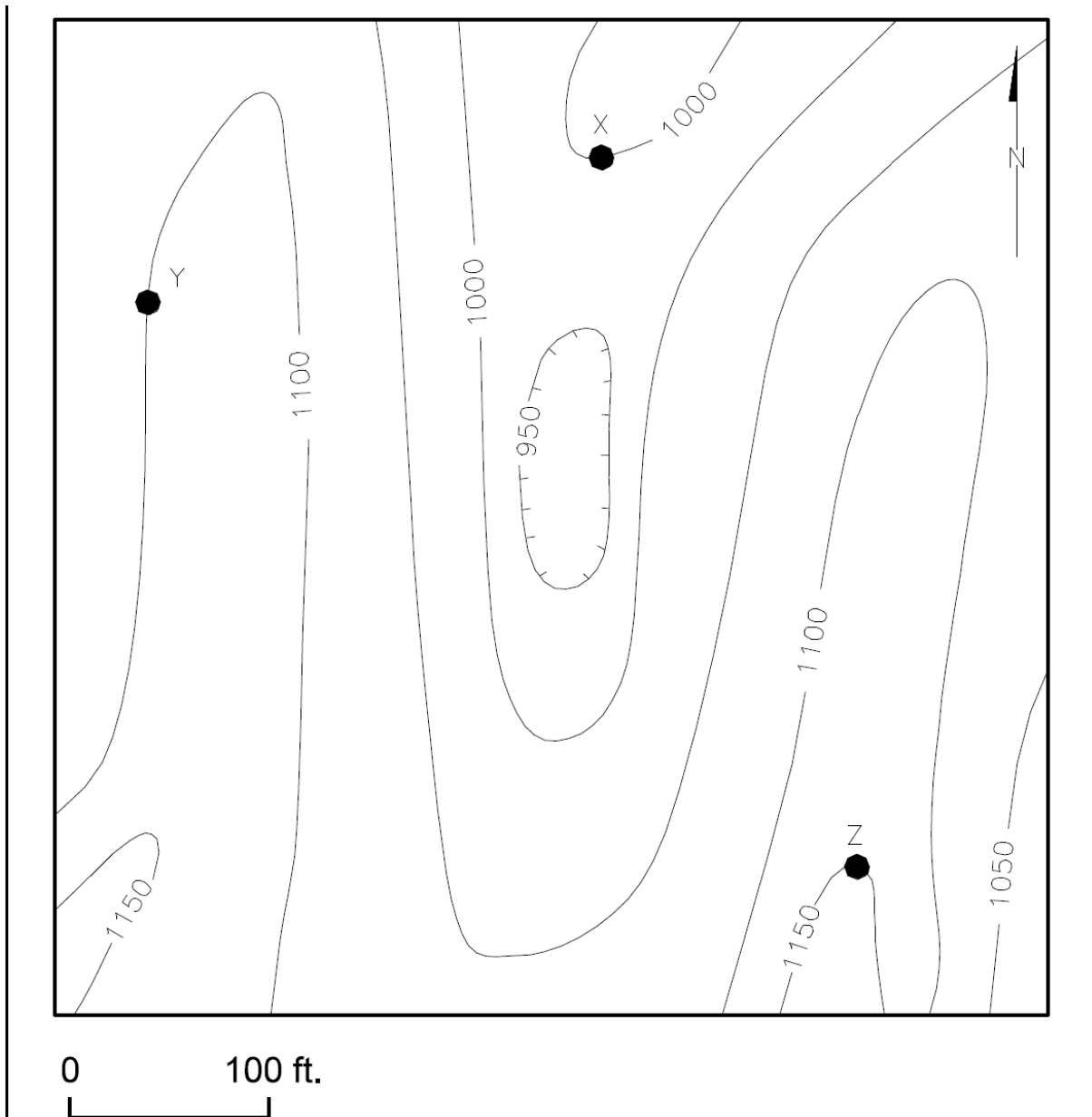
IV



CONTOUR INTERVAL=100m

The stratigraphic upper (younger) contact of a geological formation outcrops at points X, Y, and Z on the map in bellow. The thickness of the bed is 50 feet. Assume that the formation is not overturned and is planar. Draw both the upper and lower stratigraphic contacts on the map. Color the formation red, the stratigraphically older formation green, and the stratigraphically younger formation blue.

Contour Interval = 50 feet



The upper stratigraphic contact of a sandstone bed crops out at points A, B, and C, on the map in bellow. The lower stratigraphic contact of the sandstone outcrops at point D. Determine the strike and dip and draw in both stratigraphic contacts on the map. Color the sandstone red, the stratigraphically older unit green, and the younger unit blue. What is the thickness of the sandstone bed?

Contour Interval = 10 feet

