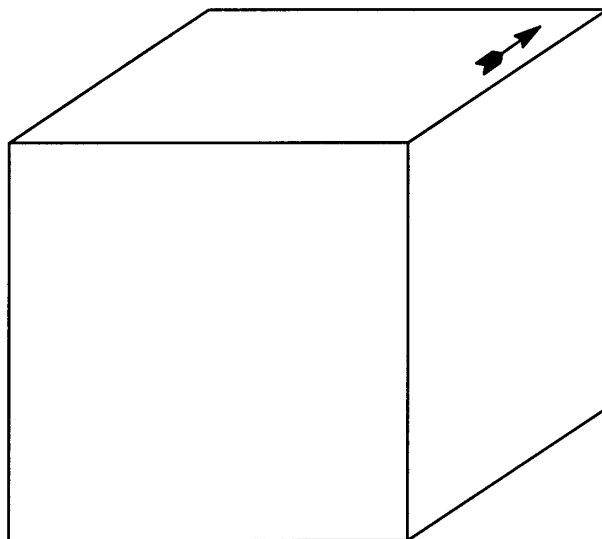


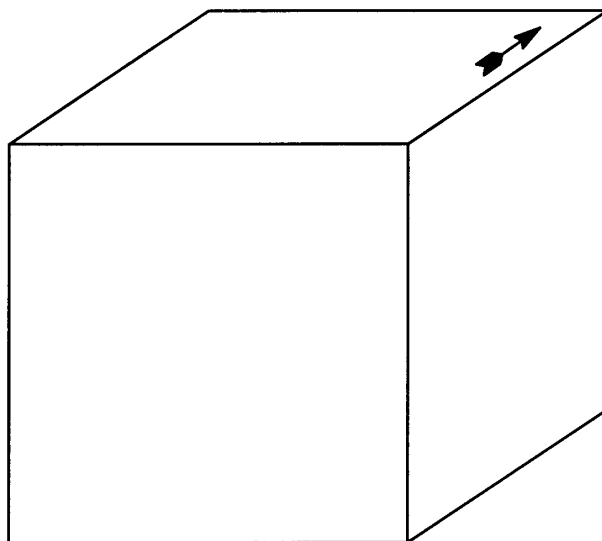
Homework 4
Geology 3063
October 13, 2000

Complete the block diagrams for the following features. Be sure to include the appropriate map symbols on your drawings.

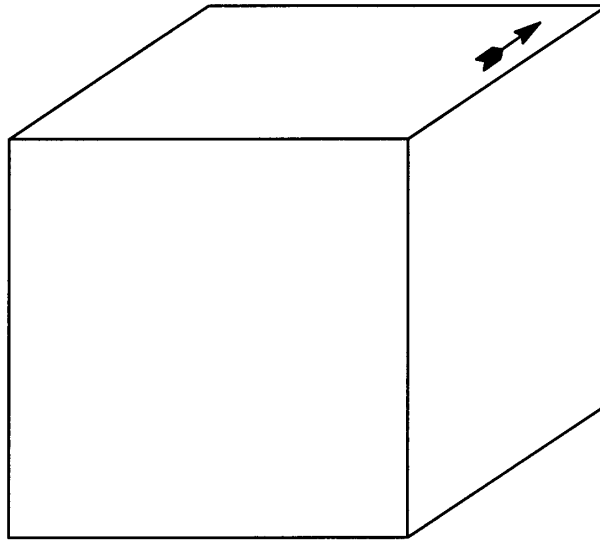
Inclined anticline
with hinge surface
 $N0^{\circ}E45^{\circ}W$



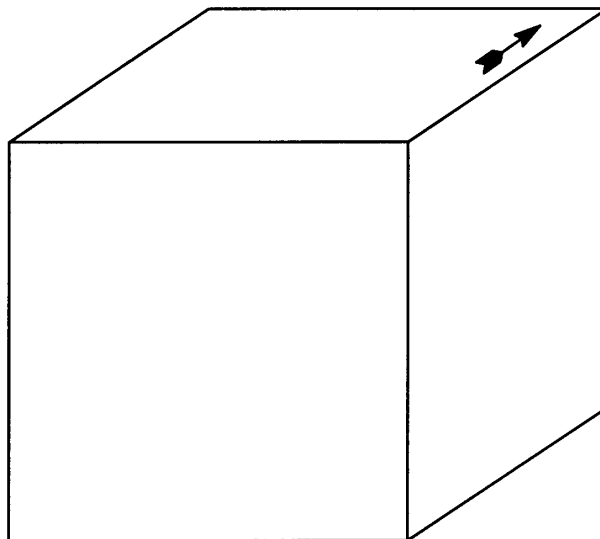
Inclined plunging
syncline with hinge
surface $N0^{\circ}W30^{\circ}E$
hinge line plunging
 $30^{\circ}W$



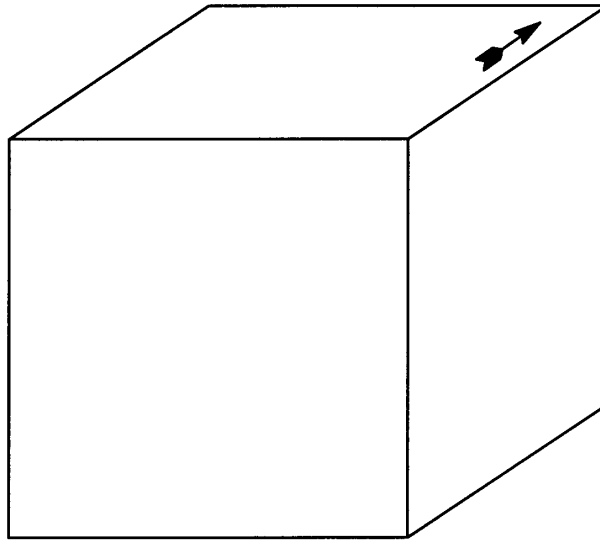
Vertical syncline



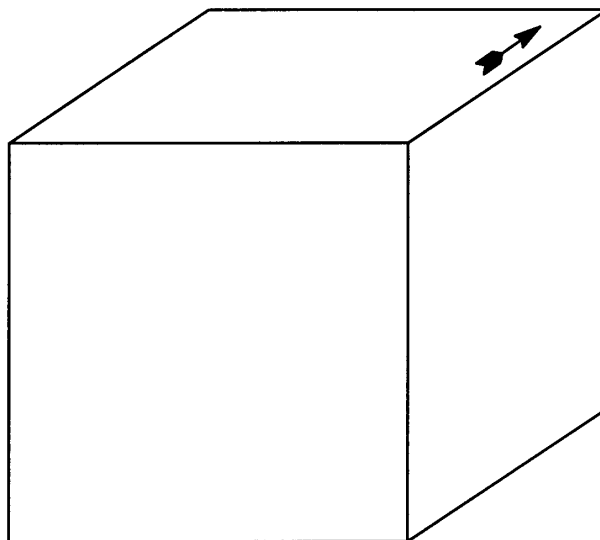
Plunging anticline
with trend of
hinge $S90^{\circ}W$
plunging $30^{\circ}N$



Recumbent anticline
with trend of hinge
line $N45^{\circ}W$



Reclined anticline
Strike and Dip of
hinge surface
 $N0^{\circ}E30^{\circ}W$



What is the trend,
pitch and plunge
of the hinge line
in this case?