Contour lines from Elevation data.

Draw in contour lines at intervals of 10 meters starting with 60.

|						
60 A	65	75	89	93	97	100
82	77	79	88	95	100	105
84	84	92	100	105	110	115
90	92	100	110	119	121	119
93	95	105	115	125	130	120
98	100	105	115	125	130	120
100	103	107	110	115	115	110
98 B	107	109	112	110	115	115

In which general area will there be a summit (high point)? _____

What are the lowest and highest elevations on this map? _____

Highlight the steepest gradient.

Circle the lowest gradient.

Complete the directions on the compass rose to the right.

N
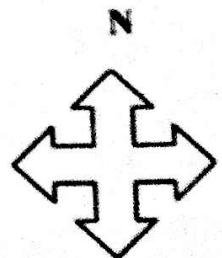
Base your answers to questions 111 through 114 on the information and accompanying map and your knowledge of Earth science.

An earthquake occurred in the southwestern part of the United States. Mercalli-scale intensities were plotted for selected locations on a map, as shown. (As the numerical value of Mercalli ratings increases, the damaging effects of the earthquake waves also increase.)
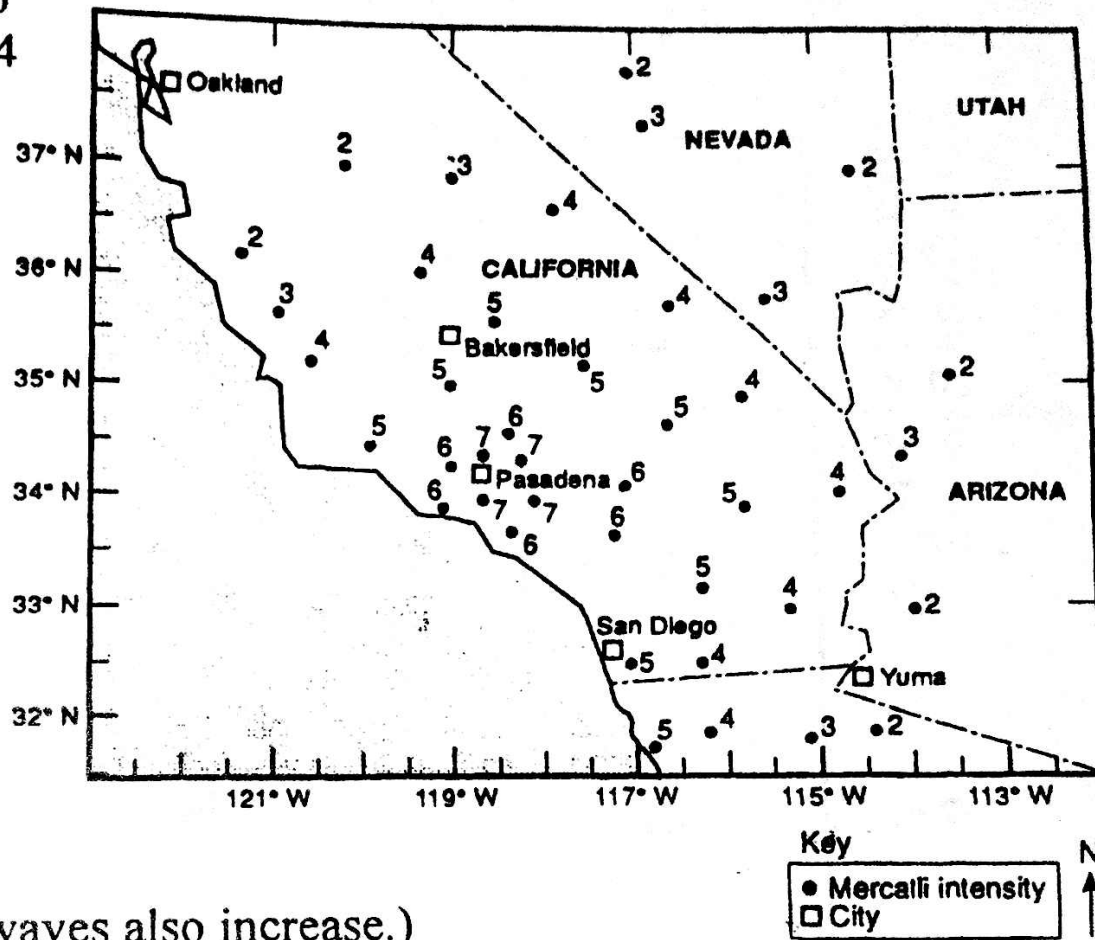
111. Using an interval of 2 Mercalli units and starting with an isoline representing 2 Mercalli units, draw an accurate isoline map of earthquake intensity.Using the map above for your answer. [4]

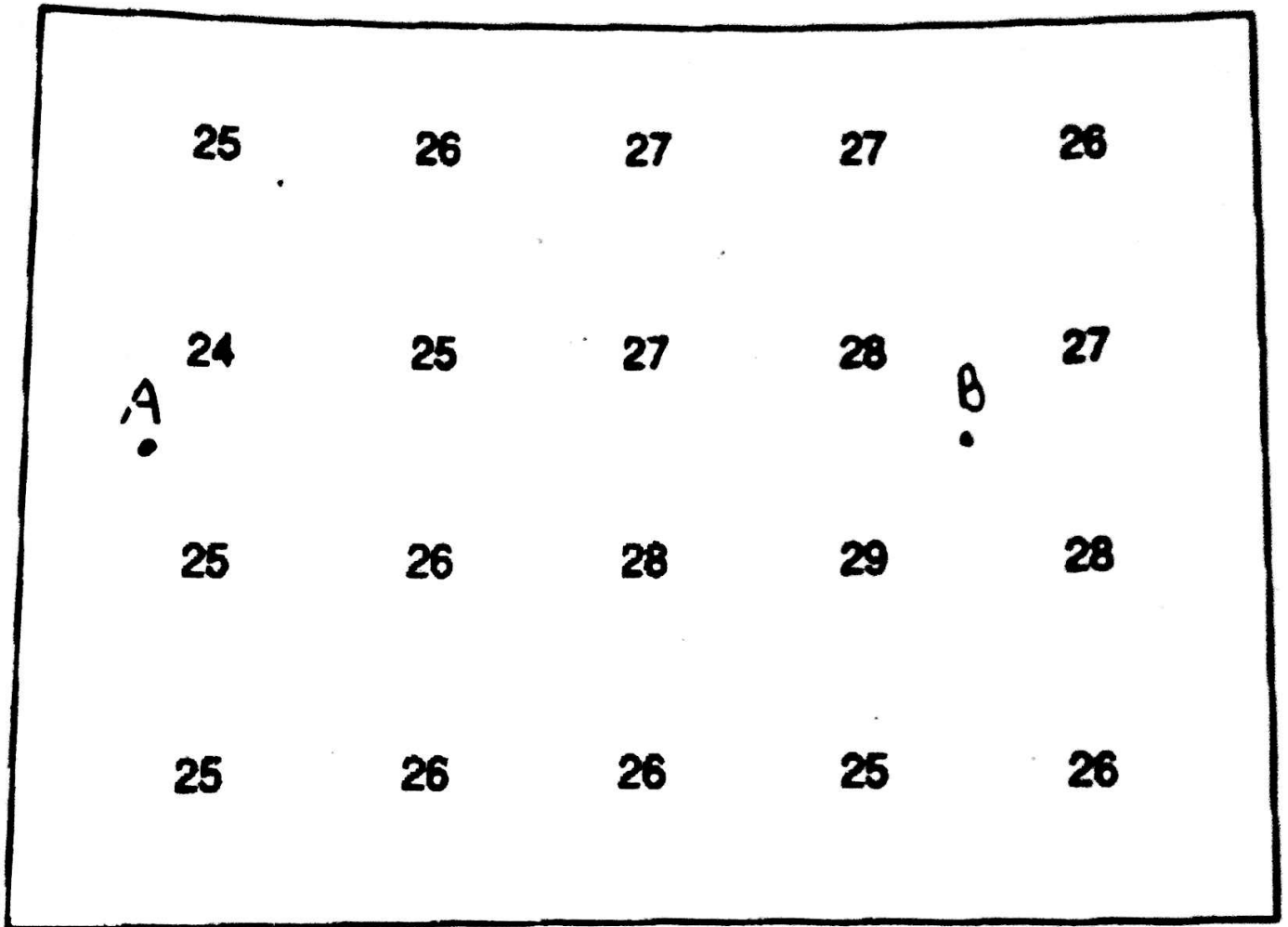112. State the name of the city that is closest to the earthquake epicenter. [1]   112 _____

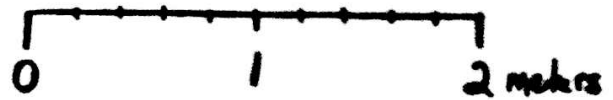113. State the latitude and longitude of Bakersfield. [2]
                                                    113 _____

1. Draw isotherms on the following temperature field map at an interval of 2°C.

2. Find the gradient between pt. A & B
   - show formula - substite values - show correct units

25	26	27	27	26
24	25	27	28	27
A				B
25	26	28	29	28
25	26	26	25	26

Summer Temperatures in a Warm Room

0   1   2 meters

3. Is this a vector or scalar field? Explain.

Elevation Map of Seaside Village

155

167

52

18   40   64

100

165   30 60   56   105

160   15   140   124

A   40   170
•   13   180   180   160
165   59   162   126
        52
100   12

125   121
35

N

W   E

S

1 MILE

Sea Level = 0 feet

Contour Interval = 20 feet

Sandy Creek

• B