Isoline Practice	Name:	
Unit 2 – Measurements and Dimensions in Earth Science	Date:	Period:
W.S. – Isoline Pr	actice	11 0
À	LSO	otherno.
Direction - Use the following rules to help construct isolines.	(Notes)/	
Isolines are lines that connect points of equal value —	- Is	Sobar:
All points on the same isoline must have the same value	le ·	
Isolines never cross, touch or split		
Isolines are always closed curves even though the map		
Isolines are always closed curves even though the map  Isolines are gentle curved lines that do not have sharp of	د ۱۰ معالم منطقت الله ۱۹ هـ هـ هيئينات الديارة ۱۰ و بيلاد البدارها الحارور اليحيطيرات الله. 	وليد ومهمر ليمر العاسد والعلق الانطلي مماليمه طاداء طاعلان ما المع
	corners	100ml
Isolines usually are drawn in the same general direction	n as nearby isolines. (pa	trem)   Perallel trans Concentric arde
Practice		Coxentric ains
Draw the 10 15 20 and 25	Draw the 20 22 24	26 and 28

Practice

Draw	the	10	15	20	and	25
		TV.	و کند ملت			£ +

	DIAW UR 10, 13, 20 and 23														
9	9	11	17 B ●	20	22 •										
10 •	13	16 •	20	23	25 •										
10 •	15 A •	18	21	23	25										
9	15 •	17	20	22	25 •										
8	14	14	16	20 •	22 •										

Draw the 20, 22, 24, 26, and 28

		,, .	, 20, 0010	
20 A	21	22	24	• <b>B</b> 28
• 21	22	24	25	26
20	22	25	25	25
18	21	22	24	25
19	21	23	23	• 24

Map 1 - Draw isolines for the following intervals: 10, 11, 12, 13, 14, 15, 16, 17 & 18.

13	15	16	16	18
12	13	14	15	17
11	12	13	14	15
10	12	13	15	16

	Period
<i>≫</i>	, >
Name:	Date:

Contour Lines Practice #1

Contour Lines Practice #2

Period:

Name: Date:

Draw in contour lines at the following elevations

450, 400, 350, 300, 250, 200, 150, 100, 50

250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750 Draw in contour lines at the following elevations:

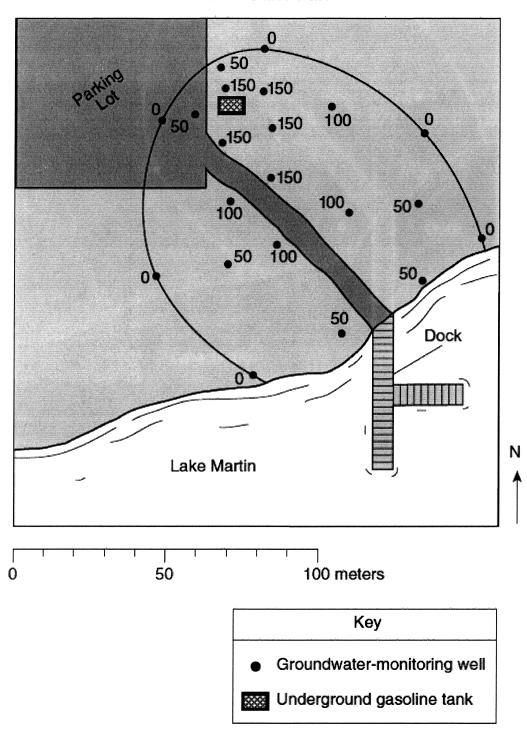
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	900	378	<b>9</b>	300	250		9 150
		350		× 863 €	300	@ 250	\$ 200
	. @ . 250	00c		400	4 69 400	900 9	. es 211
	D 500	. 250	300	350	@ 40D	300	8 500
	6 150	200	& 200	@ 250	300	300.	& 250
					* 4,		

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	0	250	ş ca	•	300		<b>©</b>	350	8	400		<b>\$</b>	450	0	200	٩	450	e la composito de la composito	
	•	300		, •	400	•	•	450	•	.500		49	550	9	. 220	9	500		
	8	350		0	450		•	200	6	250	٠	Q	009	•	009	•	550		_
	0	350		6	450		0	550	• 🚱	009		Œ	650	•	650	•	009		
<b>.</b> :	6	400		(9)	200		8	009	∀ @	650		6	700	· •	700	9	650	-	
	•	400		•	200		•	009	9	650		6	200	0	750	/ ©	650		
	*	350		0	450		•	550	•	009		G	650		. 650	ပစ္စ	009		

0 km

9. Base your answer to the following question on "the field map below, which shows an area of a state park where an underground gasoline tank leaked and contaminated the groundwater. Groundwater-monitoring wells were installed to determine the extent of the contamination. The concentration of contaminants in parts per million (ppm) in each of the wells is indicated on the map.

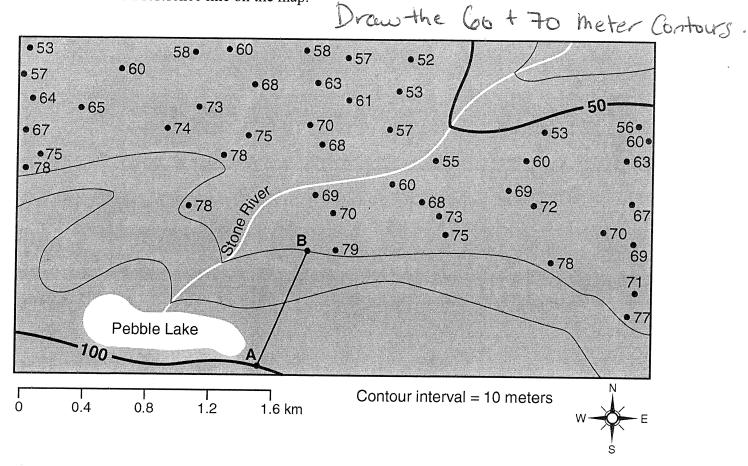
## Area of State Park



On the field map above, draw the 50-ppm, 100-ppm, and 150-ppm isolines. The 0-ppm isoline has been drawn for you.

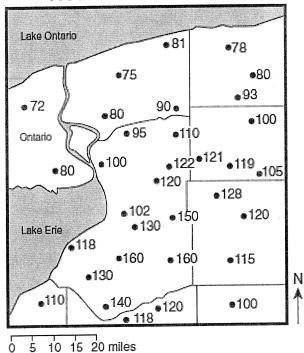
## ISOLINE REGENTS PRACTICE

1. Base your answer to the following question on the topographic map below and on your knowledge of Earth science. Some contour lines have been drawn. Line *AB* is a reference line on the map.



On the below that shows the total inches of snowfall received at various locations for the 1984-1985 winter season, draw the 120-inch, 140, and 160-inch, 150line.

1984-1985 Winter Season



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## PG. 1 ESRT Gradient =

Base your answers to questions 17 and 18 on the temperature field map below. The map shows 25 measurements (in°C) that were made in a temperature field and recorded as shown. The dots represent the exact locations of the measurements. A and B are locations within the field.

Temperature Field Map (°C) **e**.26 24 **24 2**6 •26 23 **2**5 **,**25 **23 B** 24 **2**4 21 21 22 22 20 22 3.0 4.0 2:0 1.0 0

17. On the temperature field map above, draw three isotherms: the 23°C isotherm, the 24°C isotherm, and the 25°C isotherm.

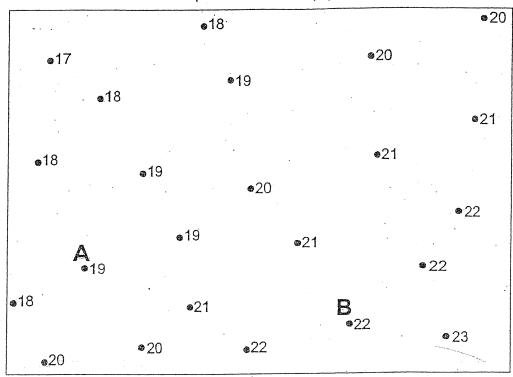
meters

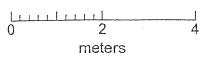
- 18. Calculate the temperature gradient between locations A and B on the temperature field map, following the directions below.
  - a. Write the equation for gradient.
  - . b. Substitute data from the map into the equation.
  - c. Calculate the gradient and label it with the proper units.

## **CHAPTER 2**

Base your answers to questions 19 through 21 on the temperature field map below. The map shows temperature readings (°C) recorded by students in a science classroom. The readings were taken at the same time at floor level. Temperature readings for points A and B are labeled on the map.

Temperature Field Map (°C)





- 19. On the temperature field map provided, use solid lines to draw the 18°C, 20°C, and 22°C isotherms. Isotherms must extend to the boundry of the map. Label each isotherm to indicate its temperature.
- 20. Determine the temperature gradient from point A to point B by following the directions below.
  - a. Write the equation used to determine the gradient.
  - b. Substitute values from the field map into the equation.
  - c. Solve the equation and label the answer with the proper units.

21.	State	temperature	of	point A	in	degrees	F	ahrenh	eit	(°F	).

The ESTET Pg. 13

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