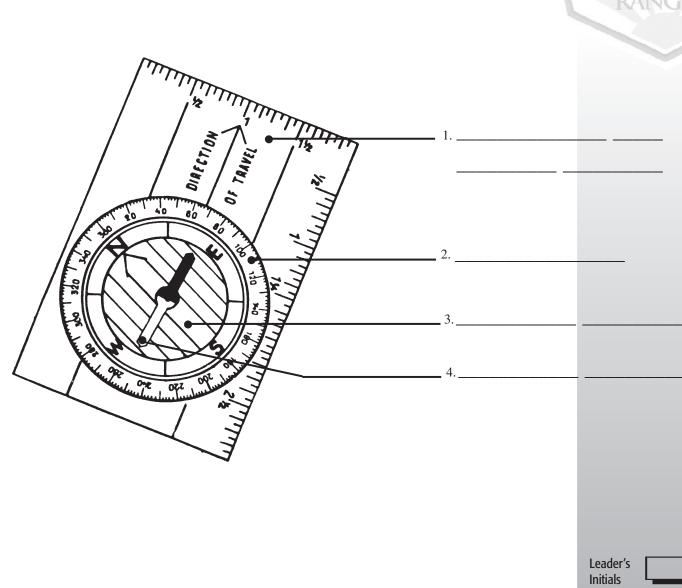
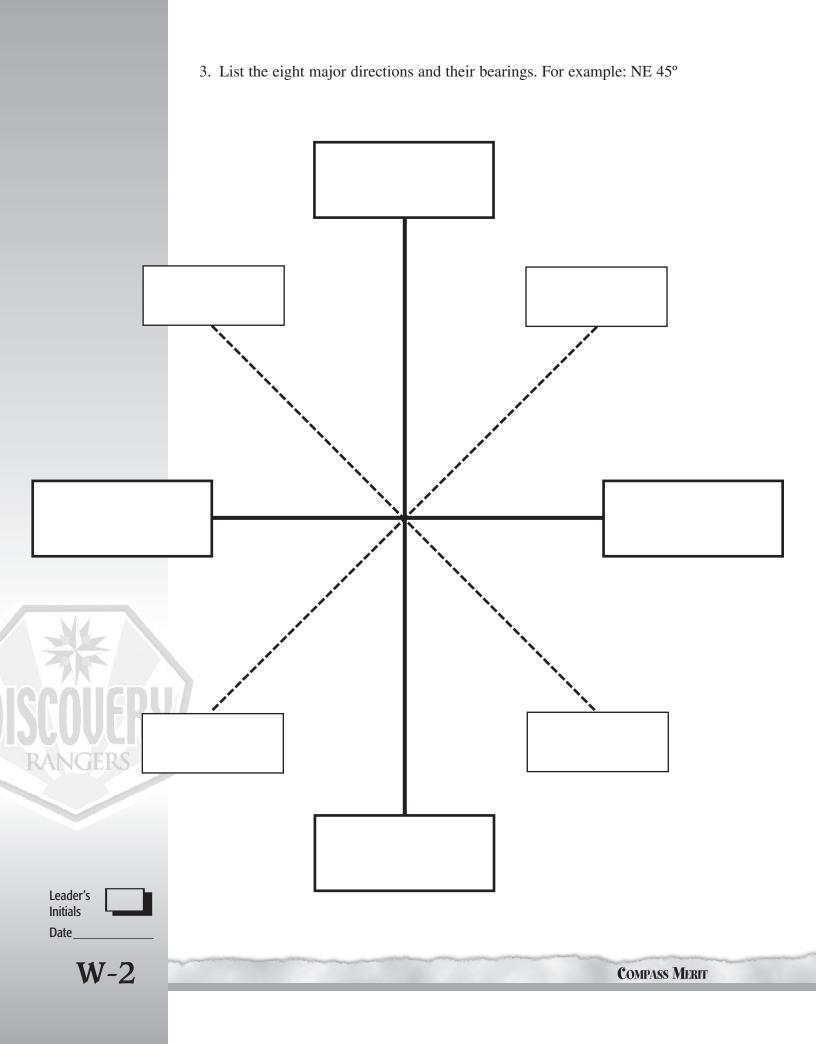
Leader's Initials Date



- 1. List the two main types of compasses.
- 2. List the four main parts of a compass.



Date____



4. Define these terms: *magnetic north, true north, declination, and magnetic* variation.

Match the words with the definitions. Place the letter next to the correct definition. Check your answers with your leader and then cover up the definitions and try to remember them.

- The angle between true north and
- a. Declination or magnetic variation

magnetic north

b. True north

c. Magnetic north

The direction of the Earth's mag-

netic pole

The north pole or axis on which

the Earth rotates

5. Demonstrate how to orient your compass.

Can you figure this out? Set your compass to a 50° bearing. When you have completed orienting your compass, the blue end of the magnetic needle should (Circle one.)

- a. Be pointing toward true north
- b. Be located within the orienting arrow (and pointing toward magnetic north)
- c. Be lined up with the direction of the travel arrow
- d. Be lined up with the 50° reading on the housing
- 6. Demonstrate how to find a bearing.

Can you figure this out? Which direction are you facing when you have set and oriented your compass to a bearing of 270°? (Circle one.)

- a. North
- b. East
- c. South
- d. West
- 7. Give a good example of a *sighting point*.

Circle the one below you think might be a good sighting point.

- a. A bird
- b. A cloud
- c. Your commander
- d. A tree

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8.	List three methods for estimating distances and tell which is the most accu-
	rate method.

Three methods:

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- 9. Calculate your average step and average stride using the step method.
 - Count the number of steps it takes you to walk 100 feet.
 - Write this number in the first blank of the formula below.
 - Use this number to find your average step in the "Length of Average Step" table on MWS 1 "Step and Stride Tables."
 - Place this number in the middle blank of the formula below.
 - Multiply your average step by two to find your average stride.

Number of steps in 100 feet = $_$ = $_$ (average step from table) x 2 = $_$ feet. This is your average stride. To double-check your average stride, count the number of strides you take in one hundblue feet.

- Write this number in the first blank of the formula below.
- Find your average stride in the "Length of Average Stride" table.
- Write this number in the second blank. This second number should be almost the same as your results from the above formula.

Number of strides in 100 feet = _____ = ____ feet (from table).

Now try this: Knowing your average stride, what distance would you travel in ten strides?

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10. Demonstrate how to determine directions without a compass using the following:

a. The face of a standard watch

- b. The stars
- 11. Demonstrate your understanding of a topographic (topo) map by doing the following:
 - a. Tell what the standard topo map colors represent.

Can you match the following colors to their meanings? Place the letter next to the correct definition.

Green	a. Absence of major vegetation (prairie, meadow, farm, fields)
Blue	b. Contour lines and standard elevations

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Blue	c. Water (lake, stream, spring, marsh, water tank)
Black	d. Major vegetation (forest, brush, orchard)
Brown	e. Highways or boundaries
White	f. Man-made structures and place names (building, roads,
	trails, bridges, railroads)
b. Demons	strate your ability to read a topo map.
Can you	answer the following questions using MWS 2 "Practice Topo
Map"?	
Which c	county is Blairs Bay located in?

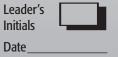
What is the elevation (or height) of Record Hill?_____

What is the name of the camp just south of Blairs Bay?

c. Demonstrate your ability to identify topo map symbols.

Complete MWS 3 "Topo Map Symbols" to fulfill this requirement.

d. Draw and label ten topographic map symbols from memory.



	12. Describe what to do Use the following as	if you get lost. a guide. Your leader will go ov	ver this material with you.
	P for C		
	Don't p	; stay where you are.	
	Look for l	(like towers)	, mountains, etc.).
	M you	r trail if you must move to an a	rea with better shelter.
	Leave n	·	
	Keep v	to aircraft.	
	Build or find s	Don't wait until o	dark.
	Build a f		
	Find w		
Leader's	Make rescue s		
Date	S	for food.	
	13. List three Scripture mountains, trees, hig	references regarding features or hways, and cities.	n a map, such as rivers,
	Scripture Refer	ence	Feature
	Scripture Refer	ence	Feature
	Scripture Refer	ence	Feature
Leader's	Scripture Refer	ence	Feature
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