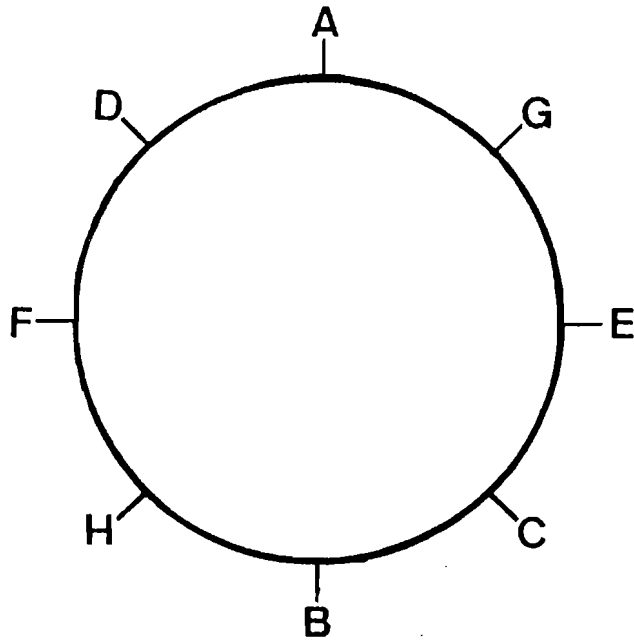


NOTES:

EXERCISE 2: *Bearings and Direction*

Directions: It is important to become familiar with the direction that various bearings represent. Assuming that "A" is zero degrees, give the direction and degree reading for all points.



Answers:

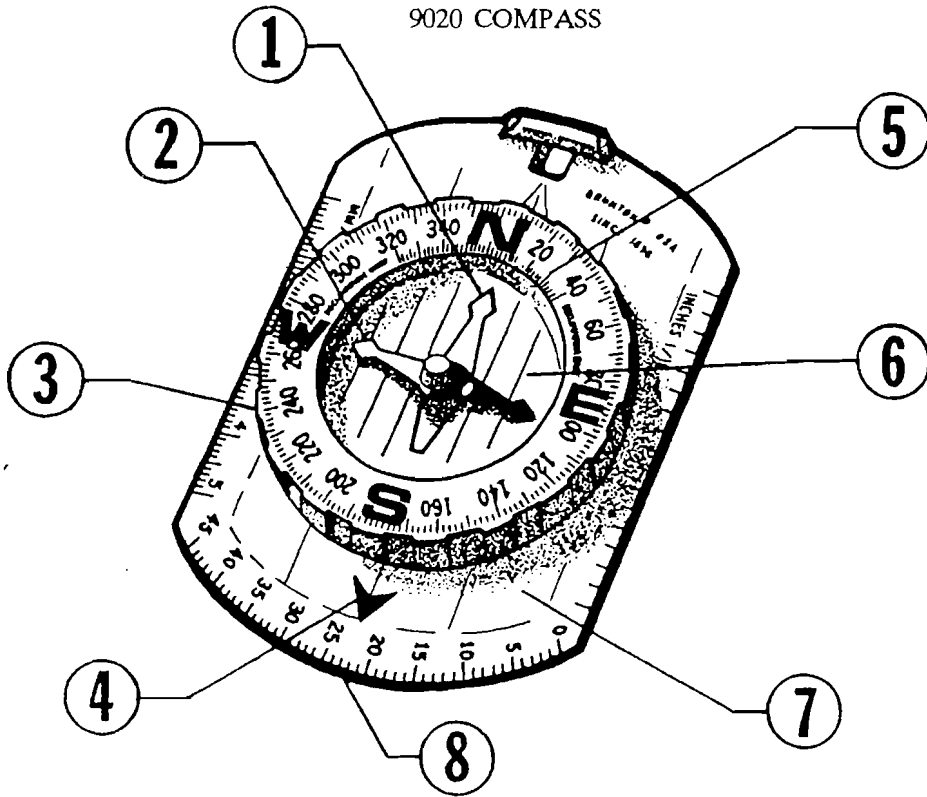
	<u>BEARING/DEGREE</u>	or	<u>DIRECTION</u>
A.	_____		_____
B.	_____		_____
C.	_____		_____
D.	_____		_____
E.	_____		_____
F.	_____		_____
G.	_____		_____
H.	_____		_____

EXERCISE 1: *Compass Part Identification*

NOTES:

Directions: Match the terms below with the correct parts on the compass diagram.

- | | |
|----------------------|--|
| A. Azimuth Ring | F. Protractor Scale |
| B. Compass Base | G. Sighting Line (Direction of Travel Arrow) |
| C. Declination Scale | H. Vial |
| D. Acreage Scale | I. Magnifier |
| E. Orienting Arrow | J. Magnetic Needle |



Answers: Write the correct letter in the corresponding blank.

- | | |
|----------|----------|
| 1. _____ | 5. _____ |
| 2. _____ | 6. _____ |
| 3. _____ | 7. _____ |
| 4. _____ | 8. _____ |

Name _____

Date _____

Class _____

Sighting and Following a Compass Bearing

Directions

1. Hold your compass level in front of you, with the base plate travel arrow pointing towards the direction you wish to go. Do not point the compass with your hand. Turn your whole body. When your compass is held flat, the Magnetized Needle will rotate freely and its RED end will point towards the Magnetic North.
2. Holding the compass level, rotate the graduated dial until the orienting arrow and the red "N" are aligned with the RED end of the magnetic needle.
3. Your Bearing or Direction of Travel can now be read in Degrees at the Index Line on the dial at the base of the Travel Arrow, which now points precisely to your destination.

What's Their Bearing?

Try these markers in the classroom/school to see what direction you are facing. Remember to keep your body directly in front of the item!

Classroom

1. Facing Rainbow

2. Facing Poster: "Florida's Aquatic ..."

3. Facing Poster: "Comets"

4. Facing First TV

Degree Reading

Direction

Around School

1. Flat Screen TV in main Hallway

2. Flagpole

3. Entrance to Library

4. Entrance to Auditorium

5. Facing Field Hockey Field

(window outside Ms. Senske's room)

Using Google Earth:

Draw a map of CB South in reference to the direction and degrees that you measured above:

1. What is the difference in elevation from the back parking lot row to Folly Road?
(Show work with labels)

2. Using the ruler tool, how wide is South from end to end (Auditorium-Gyms) in feet?

3. From the North (Bristol) to the South (Pickertown) entrance, how long is the South's campus in meters?

4. What sport would you be competing in at the southernmost end of campus (hint: it's red on the map)?

5. Where are you on campus with the following coordinates:
 - a. 40 15'53.49 N
75 09'47.68 W _____
 - b. 40 15'42.62 N
75 09'43.29 W _____
 - c. 40 15'38.06 N
75 09'55.35 W _____

6. Using the time slider, take the time back to 9/23/2003, how did South look then?

Bonus:

Please list any other cool tools and tricks that can be used to study our campus: