Dunes Adventure Academy

JOURNAL

Name _____

Date _____

My Team

My Cabin

Cabin name and number:

Cabin mates:

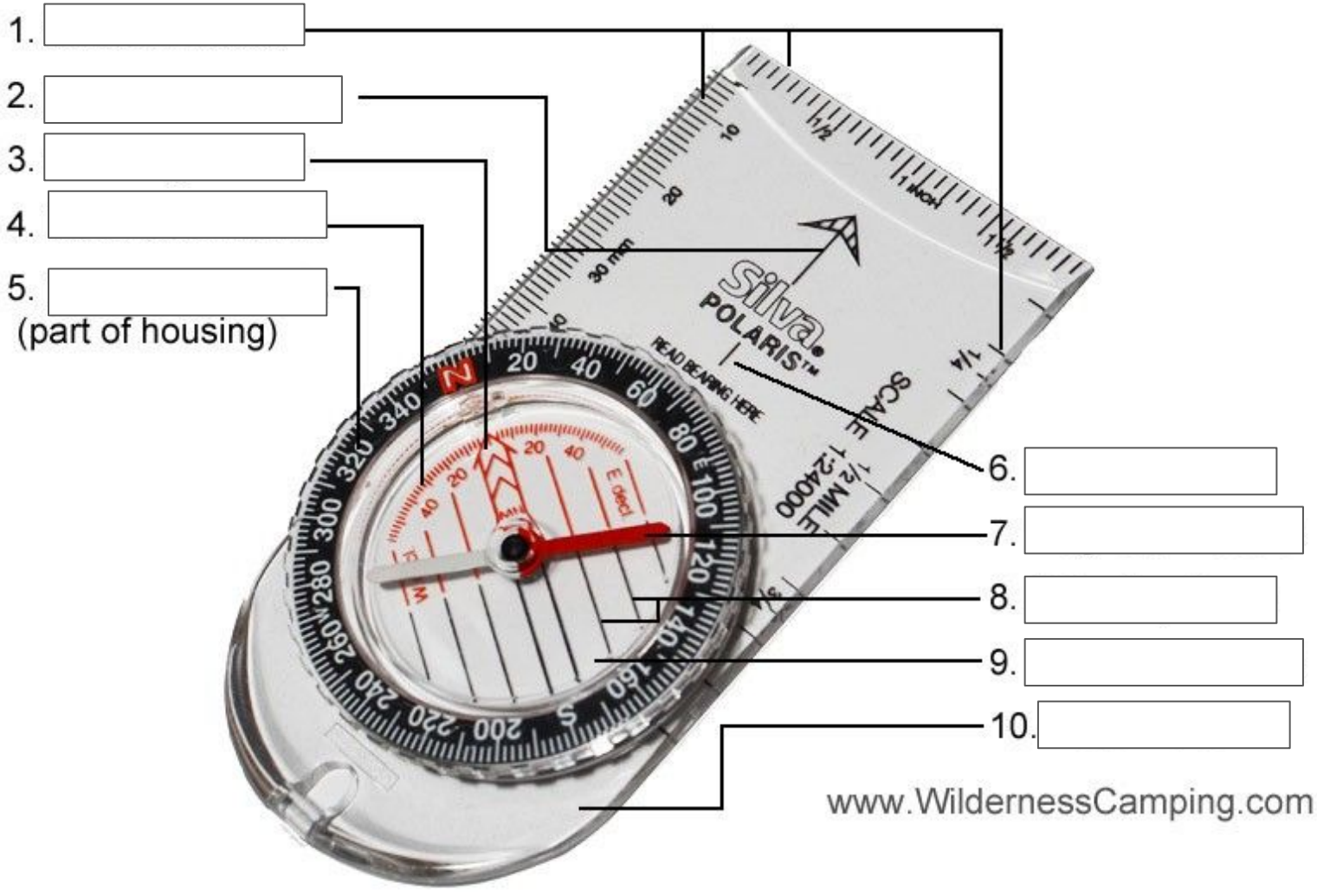
My Trail Group

Trail group name:

Trail group leader:

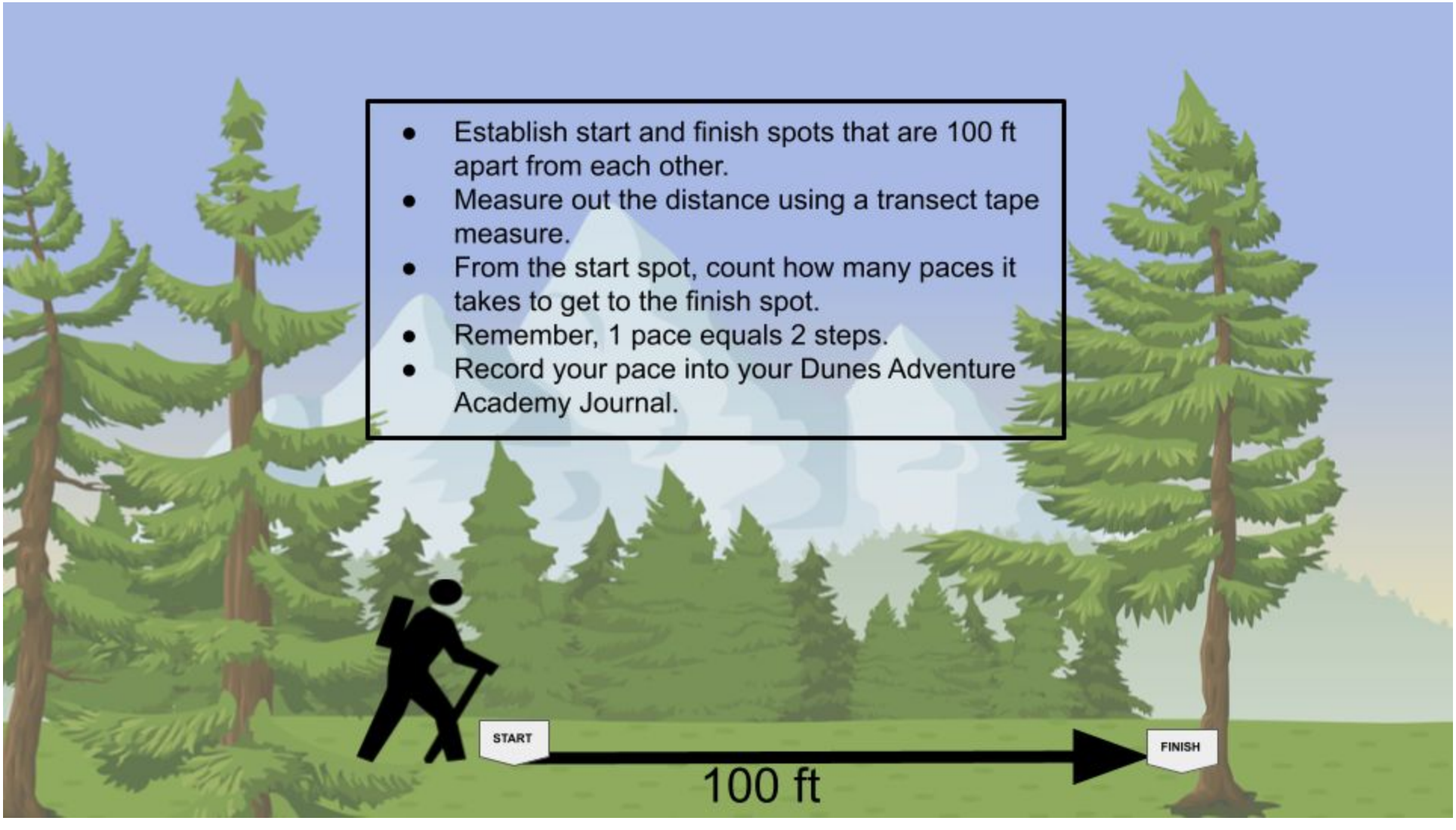
Trail group members:

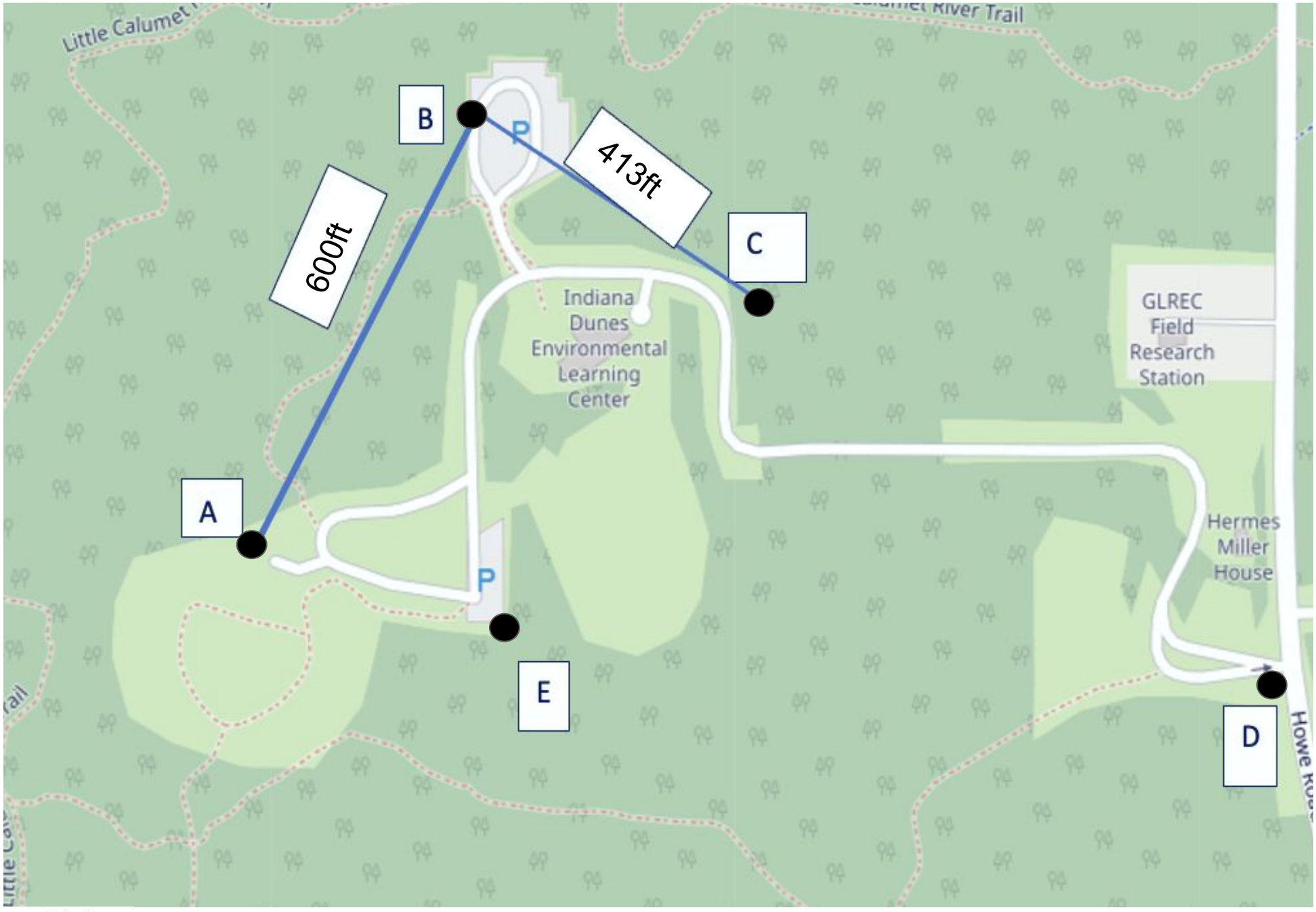
COMPASS 101 - Parts of a Compass



Finding Your Pace

A pace is a measurement of how far you move while walking. One pace equals two steps. Record the number of paces it took you to walk 100 feet on page 7 of this journal.





The Mathematics of Pacing

Use this page to answer questions on page 6

Use page 5 to answer the following questions:

1. It took me _____ paces to walk 100ft.

2. Calculate your average pace length:

_____paces ÷ 100 feet = **_____paces per foot (paces/ft)**

Let's practice using the map on the previous page!

A. How many paces does it take to walk 600ft?

_____paces /ft x 600ft = _____paces
(answer from #2)

B. How many paces does it take to walk 413 ft?

_____paces/ft x 413ft = _____paces

C. How many paces does it take to go from C to D?
1) Using a ruler, how many inches between C to D? _____ inches
2) If one inch is 150 feet. Multiply your answer in 1 by 150 to get the number of feet from C to D
3)

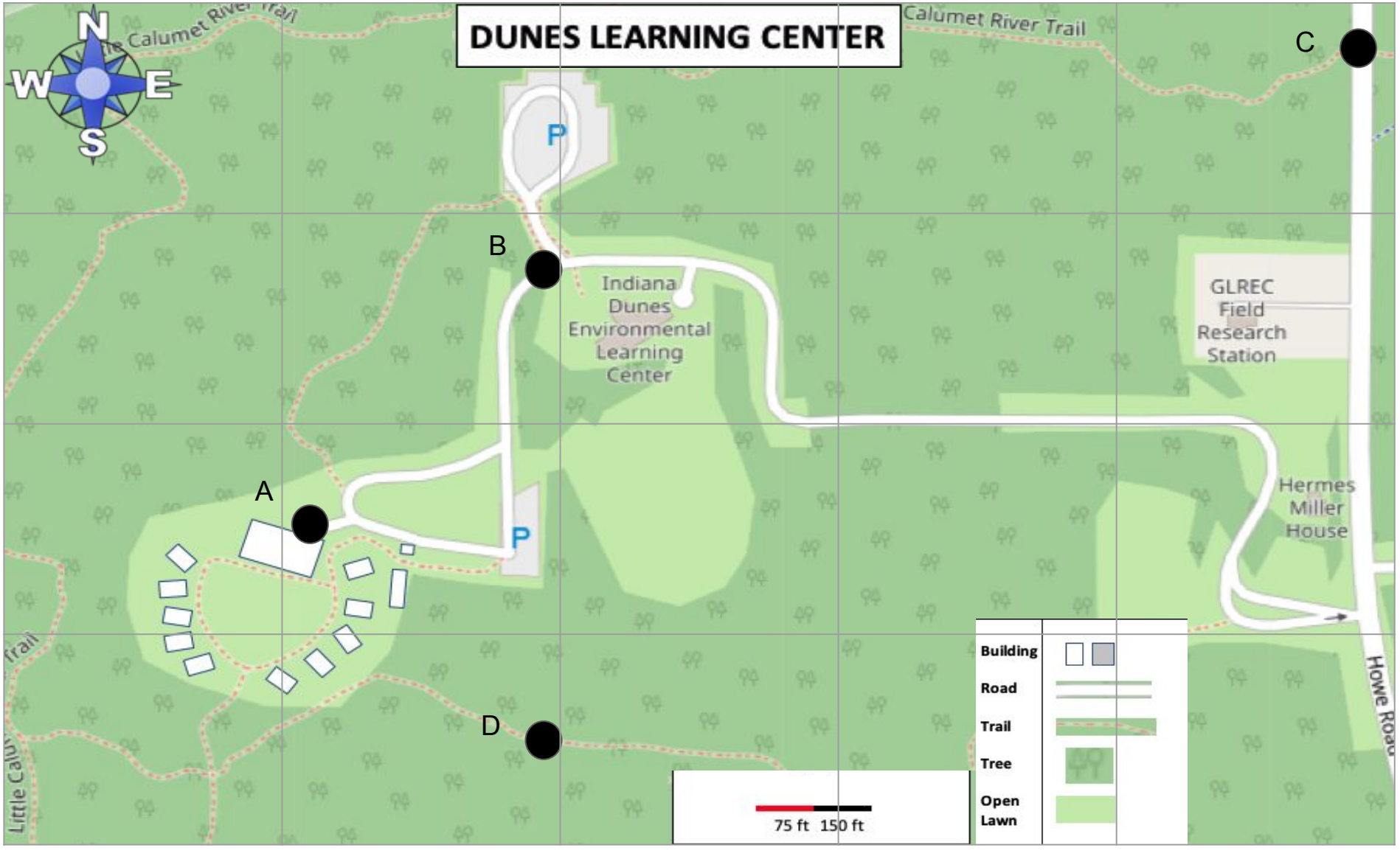
_____paces/ft x _____ft = _____paces

D. How many paces does it take to go from D to E?

_____paces/ft x _____ft = _____paces

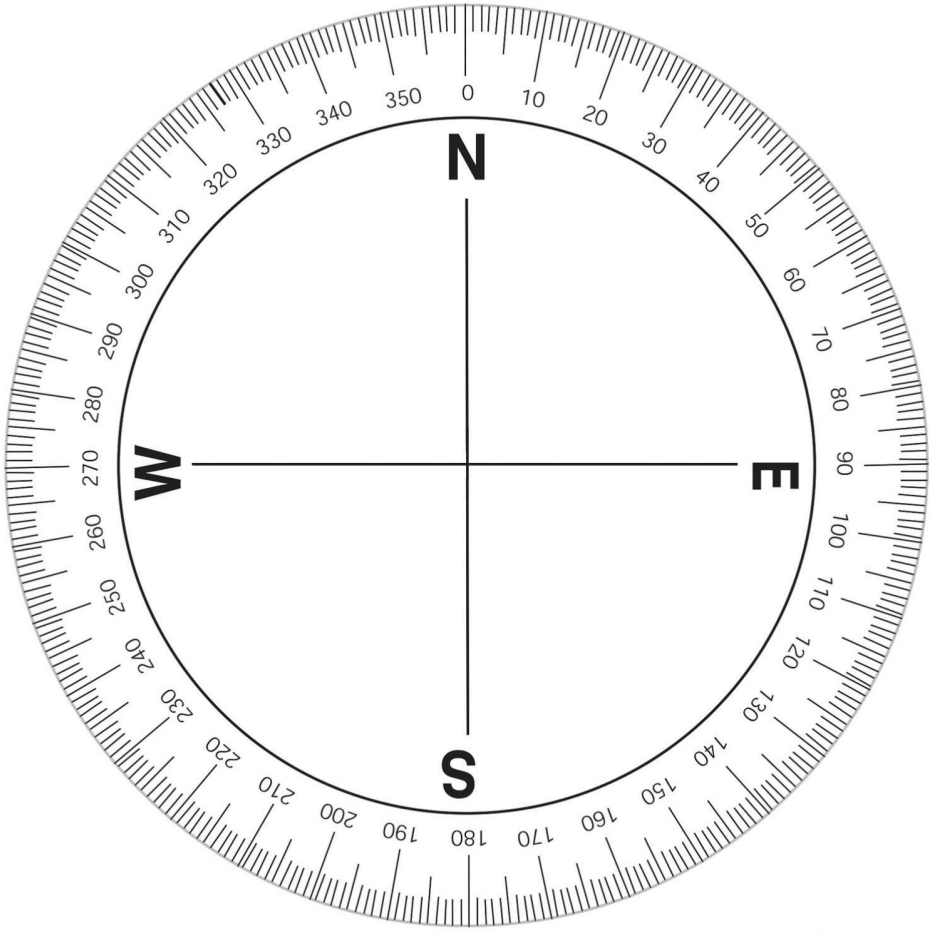
Intro to Mapping - Let's Practice Taking Azimuths!

Continue onto page 8.



Azimuth

An azimuth is the direction of travel indicated on a compass and expressed in degrees between 0 and 360 degrees.



Using the previous page, let's practice!
What is the azimuth from:

A to B _____ º

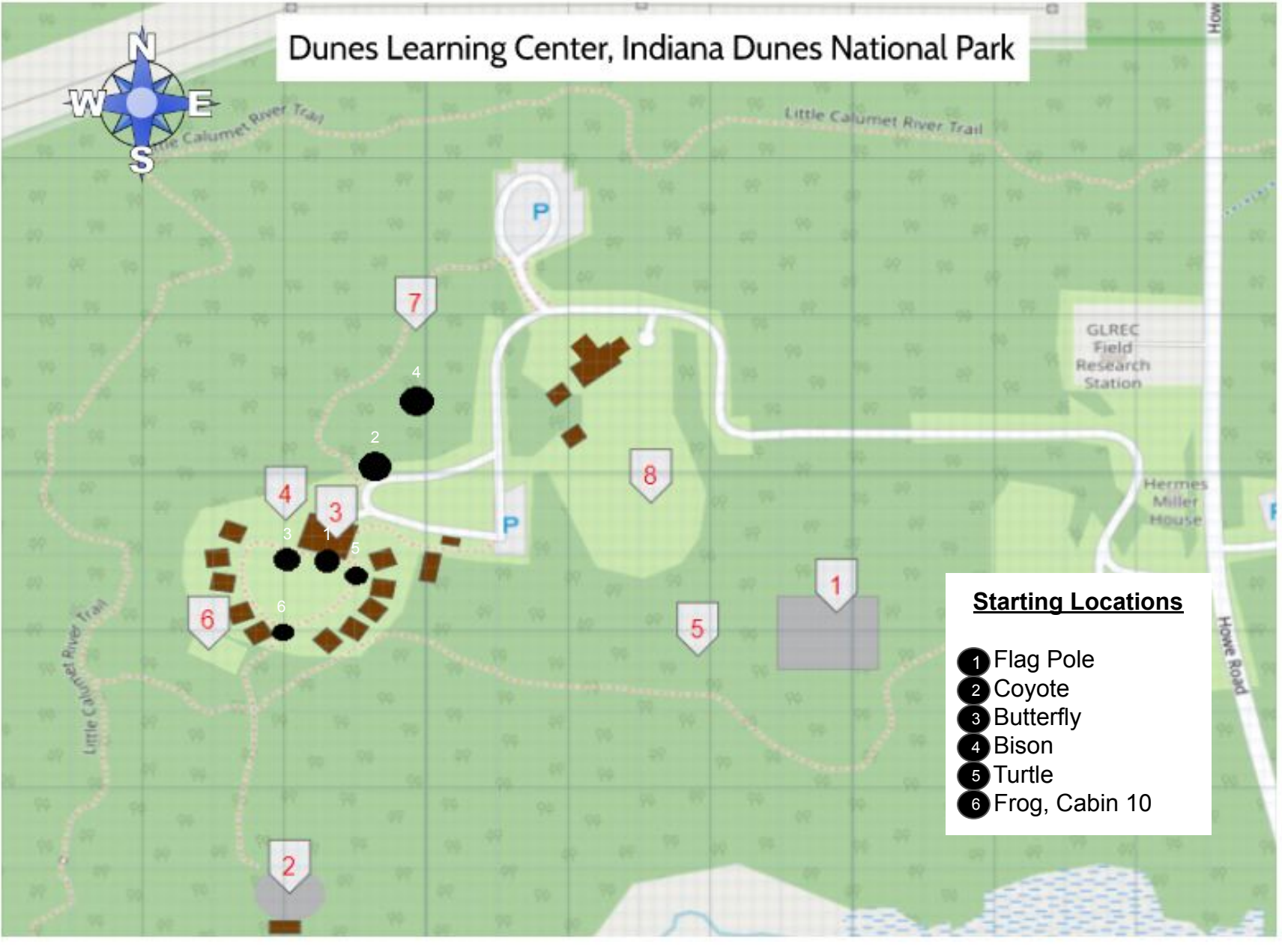
B to C _____ º

C to D _____ º

D to A _____ º

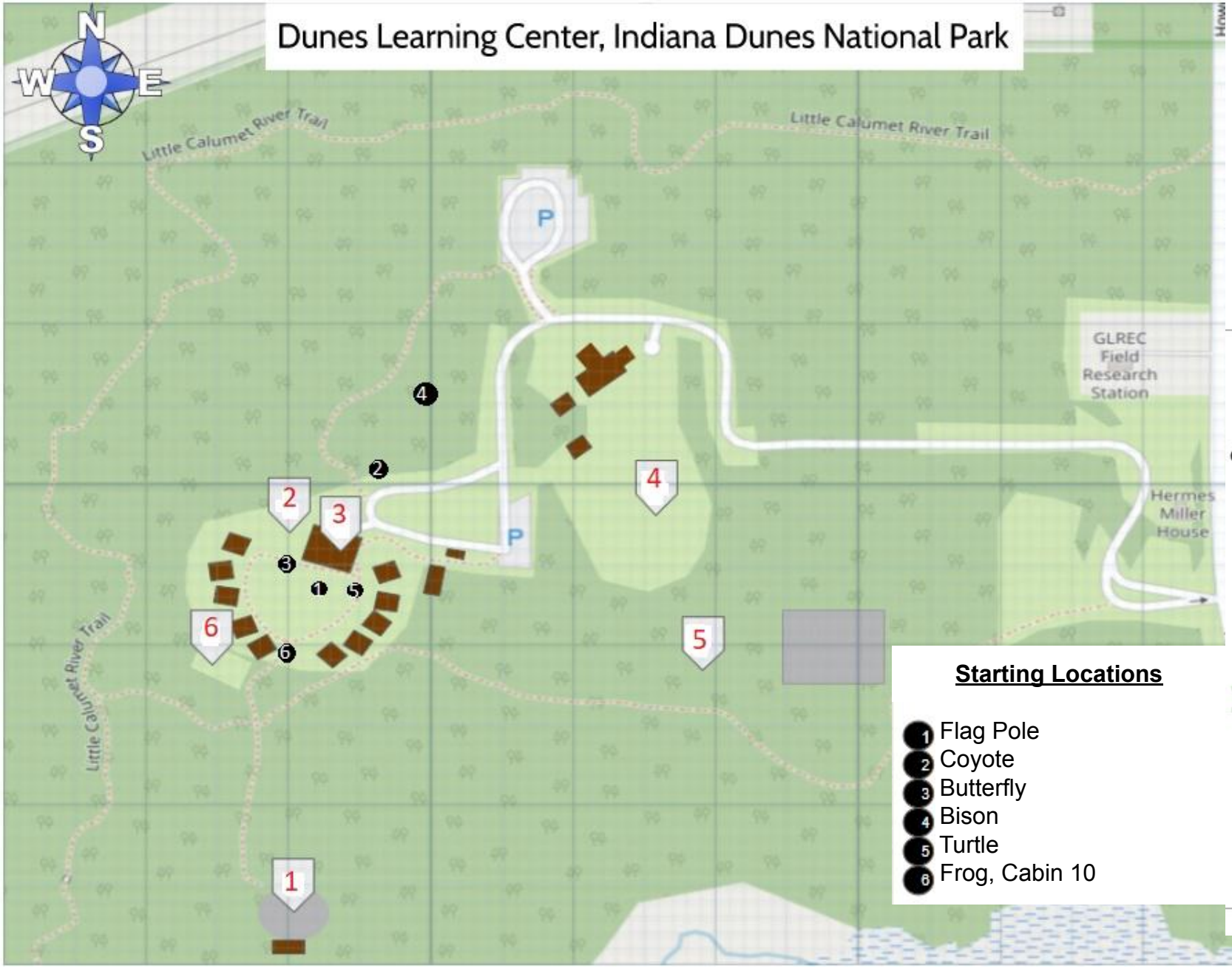
8 Station Rotation Map

Use this map if you will be doing 8 stations. If not, turn to page 10.



6 Station Rotation Map

Use this map if you will be doing 6 stations.



MAP MADNESS

Use the map on either page 9 or 10 to calculate your route. You will use these during the rotations later on.

	START LOCATION	END LOCATION	AZIMUTH	DISTANCE	PACE
ROUND 1					
ROUND 2					
ROUND 3					
ROUND 4					
ROUND 5					
ROUND 6					
ROUND 7					
ROUND 8					