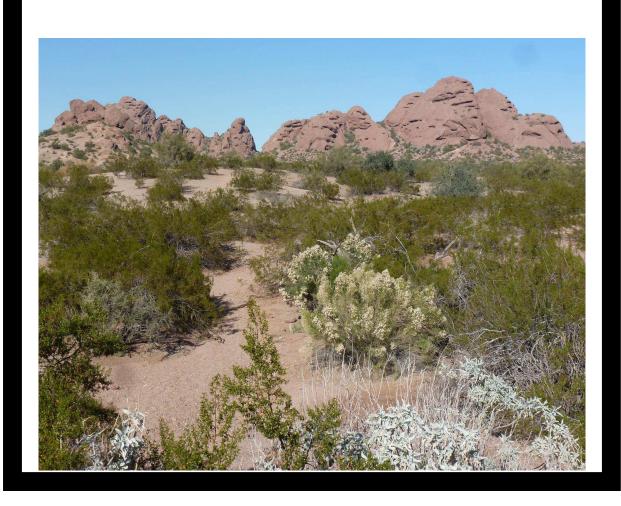
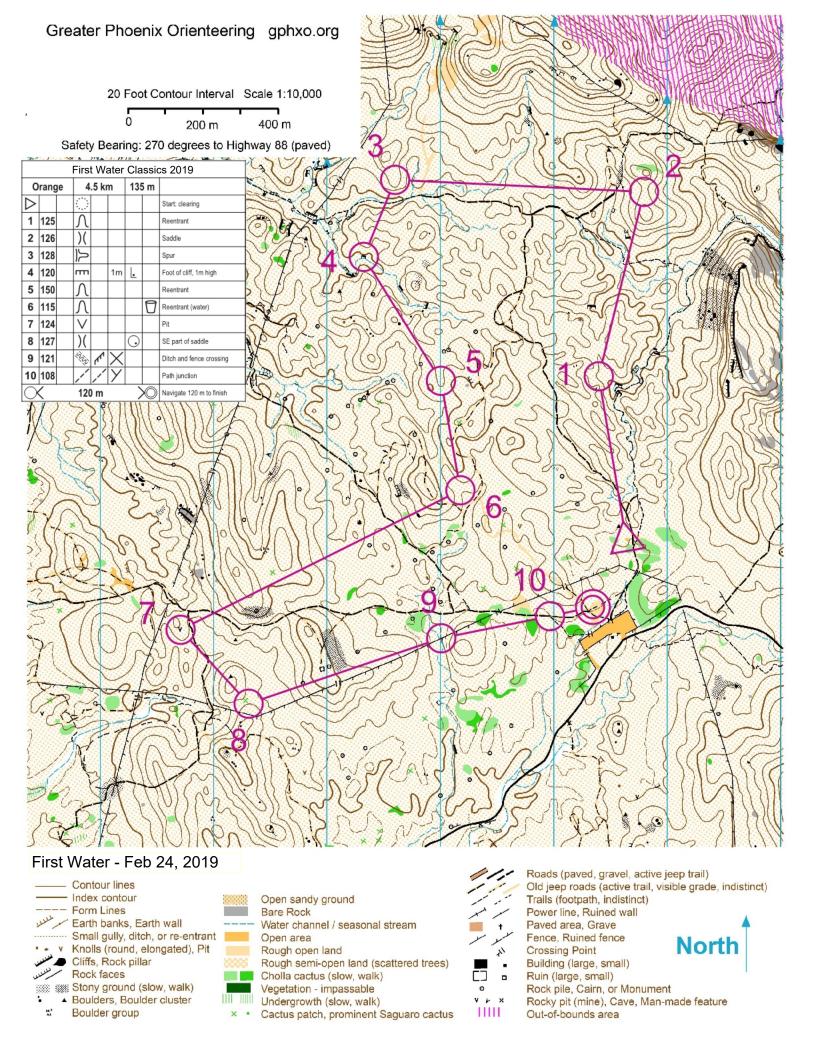
Orienteering

Beginner's Training

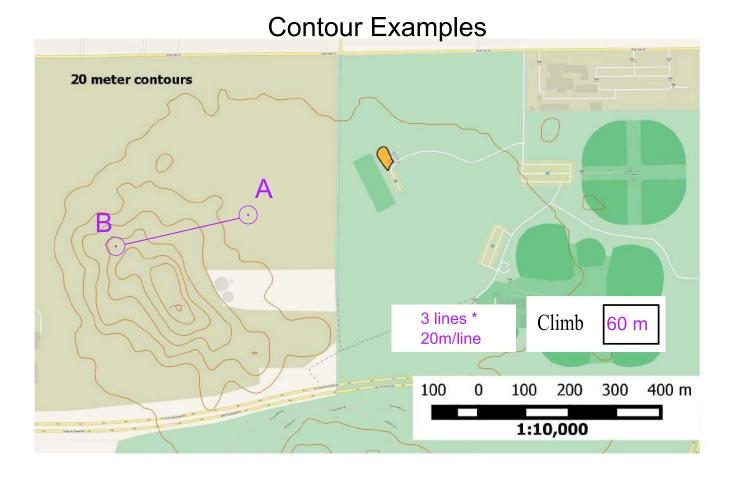


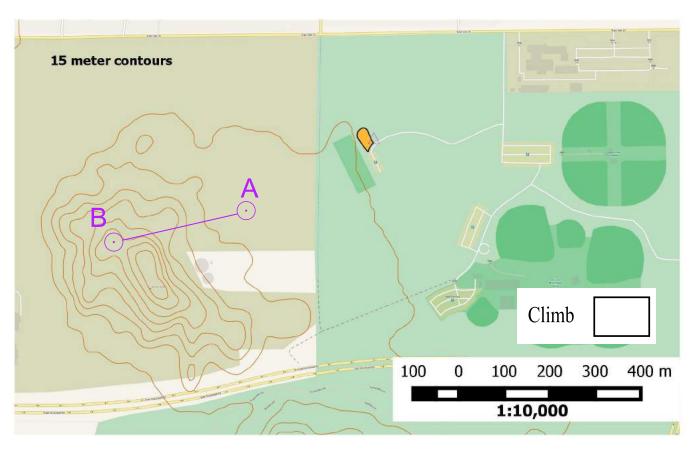
Beginner's Clinic Outline

- Introduction
 - Scope, land navigation, basic concepts.
- Map Features
 - Magnetic North lines, orienting the map.
 - Contour lines, intervals.
 - Waterways, streams, etc. (blue)
 - o Roads, vehicle tracks, footpaths, etc.
 - Fences
 - Legend (find feature symbols listed in legend)
- Contours/Land Features (demo w/ whiteboard and map)
 - Hills, saddles, bowls, depressions, etc.
 - o Ridges, cliffs.
 - o Spurs, re-entrants
 - Use fist to demo features (knuckles = hilltops, ridgeline: between knuckles = saddle: 1st joints = spurs: between 1st joints = re-entrants)
- Navigation
 - Orient yourself: get your direction/bearing from point A to point B.
 - Use land features, trails, etc.
 - Handrails, catching features, check point/check line, etc.
 - Pace count, scale, etc.
 - Trick: mark scale on edge of control card and use to find distance on map.
- The Course
 - Control points on map, order of visitation.
 - Control codes on card.
 - Control bags and punches.
 - Navigate examples.
- Safety
 - Obstacles and hazards.
 - Safety bearing
 - Whistle, calling for help.

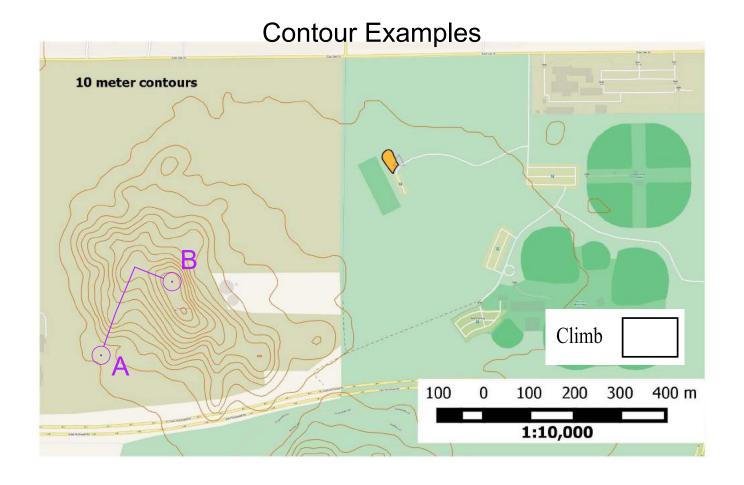


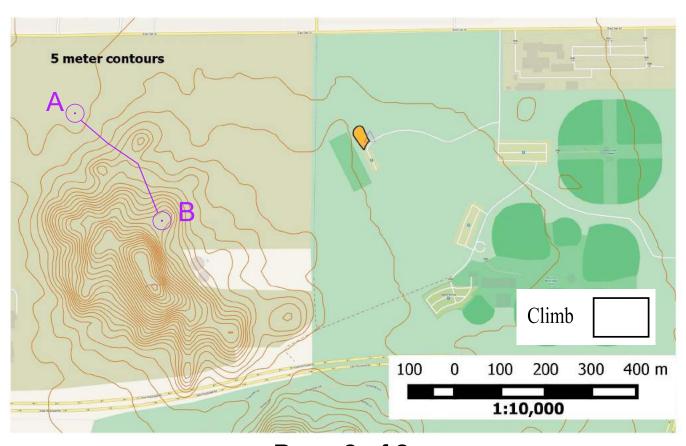
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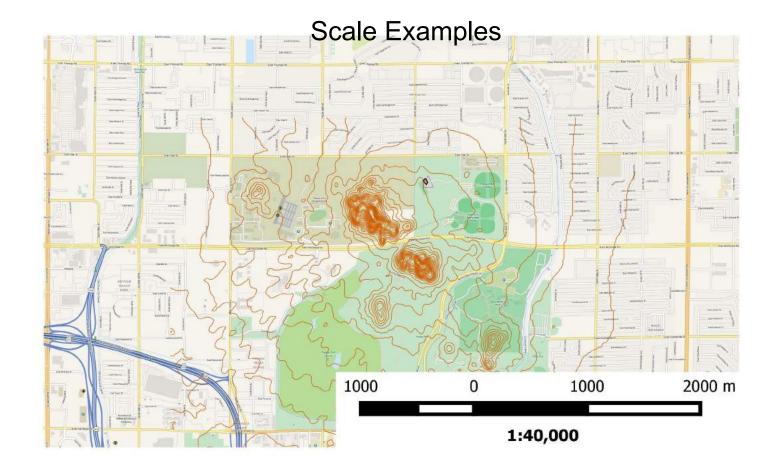


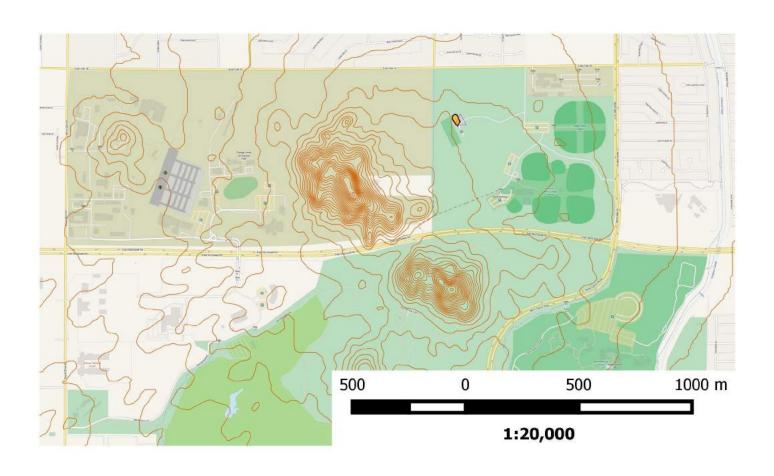
Page 1 of 2

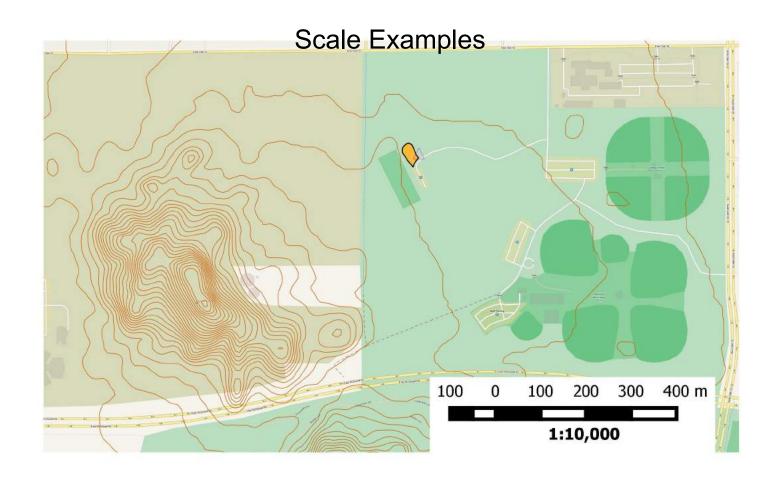


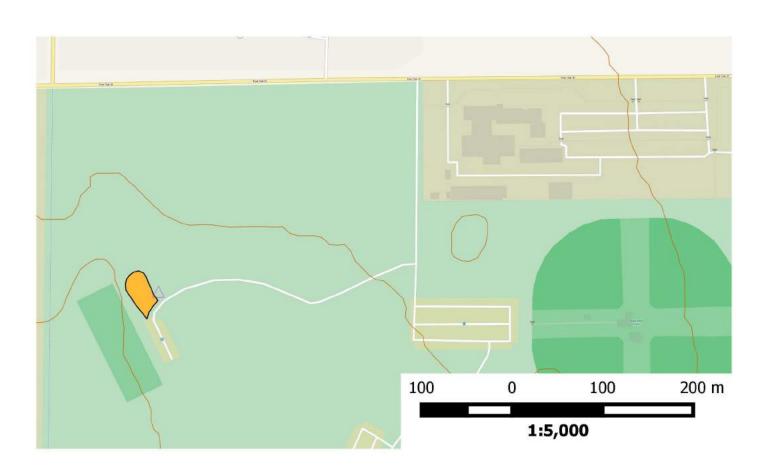


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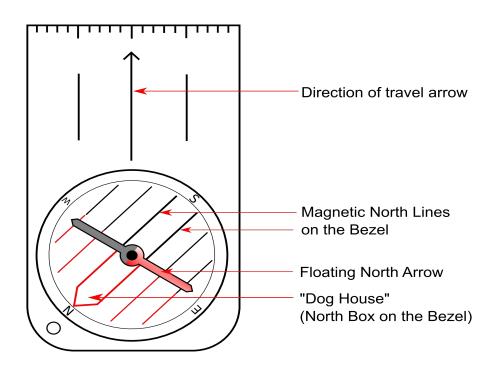


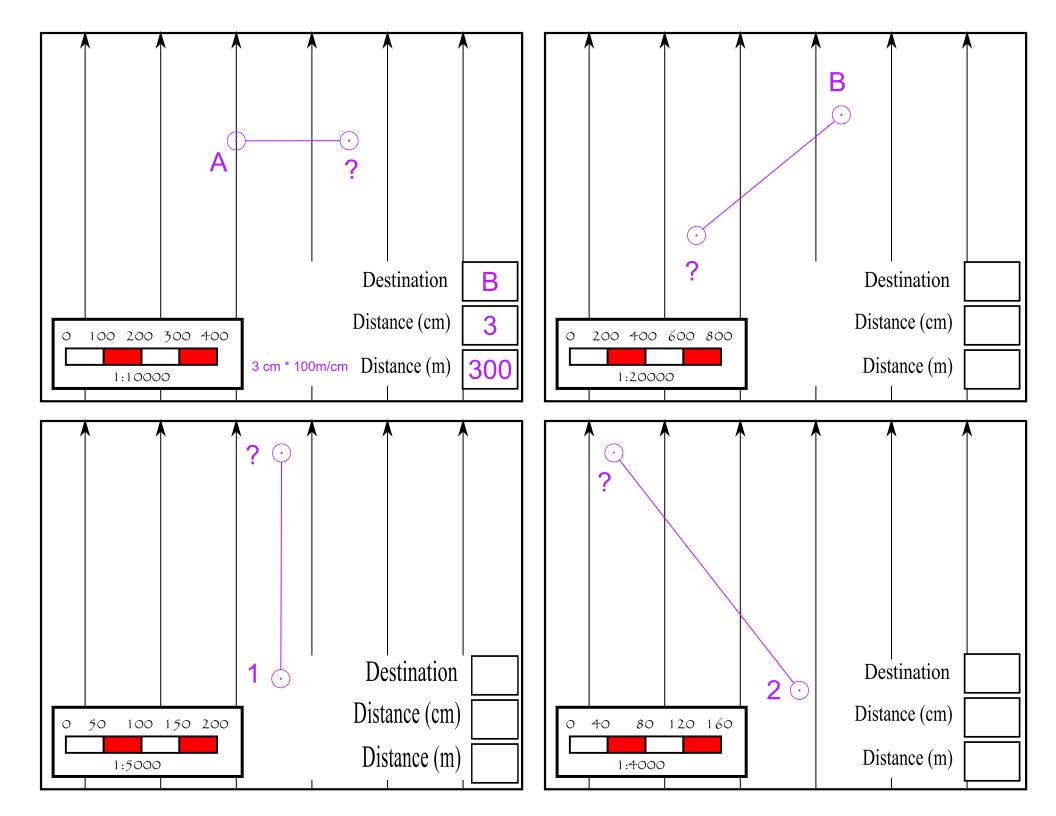
"Calibrating" the Compass

Navigating between Points on a Map

Use the following steps to orient your map and "calibrate" your compass. You use these steps when you are navigating between two points on a map. You use a different process when you navigate at a given bearing for a given distance.

- 1. **Orient the map** so that "where you are at" is at your chest, "where you are going" is straight out in front of you.
- 2. **Fold the map** so you can hold the map and the compass with one hand.
- 3. **Align the compass** so the straight edge on the side of the compass is **parallel** with the line between "where you are at" and "where you are going".
- 4. **Rotate the bezel** so that the magnetic north lines on the bezel are parallel with the magnetic north lines on the map. Make sure the north box on the bezel points is in the same direction as the north arrow(s) on the map.
- 5. **Put the "Dog" in the "Dog House".** Rotate your body to put the red of the floating north arrow inside the north box on the bezel.







GPHXO: 2020 Schedule (gphxo.org)

Jan 11: Robbins Butte
Jan 25-26: Reach-11/Papago Park
Feb 15-24: Southwest Spring Week
Feb 22-23: Superstition Mountains
Mar 21: Dead Horse Ranch

Apr 18: Sophie's Flat May 16-17: Prescott

Jun 13-14: Mingus Mountain

Jul 11: Ft. Tuthill

Aug 15: Lowell Observatory

Sep 12: Flagstaff

Oct 17-18: Petrified Forest Nov 14: Bartlett Lake Dec 12: Lower Salt River **Beginner's Clinics:**

Jan 4: Cholla Library
Jan 18: Rio Vista Park
Jan 19: Papago Park
Feb 5: Juniper Library
Feb 27: Mesquite Library

Apr 11: TBD

Oct 7: Juniper Library
Nov 5: Mesquite Library

Dec 5: TBD

Orienteering Clue Symbols

Example: Column D: The Feature earth bank open land 49 | 1 03 quarry rough open land earth wall dam 4 forest corner +11+ **A:** The control # (in this case, the fourth control) terrace clearing **B:** The control code on or near the flag (49) **C:** Which of several similar features (middle one) * 10 thicket sour **D:** The feature (the boulder) logged area 133 rib **E:** Details of the feature's appearance re-entrant vegetation boundary **F:** Dimensions of the feature (1.5 m high) **G:** Location of the control marker (north side) 4 erosion gully tree cluster **H:** Other information (drinks available) dry ditch road hill or knoll trail Column C: Column E: Which feature? **Details at the feature** small knoll tree cut shallow northern saddle)(wall U deep southwestern depression fence 0 ## overgrown upper small depression bridge open lower building pit ** rocky middle cliff ruin m • between marshy bare rock hunter's stand sandy cave opening tower Column G: 弇 evergreen **Location of the** ↑ feed rack boulder Marker deciduous boulder field rock pillar ò northern side end (eastern) houlder cluster 4 single tree northwest edge 0 bend stony ground salt lick east corner (inside) junction lake 0 (X) rootstock southwest corner crossing T pond ⊙ trig_marker southern tip W waterhole rock pile **Column F: Dimensions** 0 western part stream charcoal burning platform 2.5 height in meters upper part 188 wet ditch * anthill 10×4 length/width in meters lower part marsh broken ground Column H: Other Info on the top small marsh special feature* drinks southern foot firm ground in marsh special feature* 4 radio control at the foot 0 well *to be defined by organizer (orientation not : manned control

spring

first aid