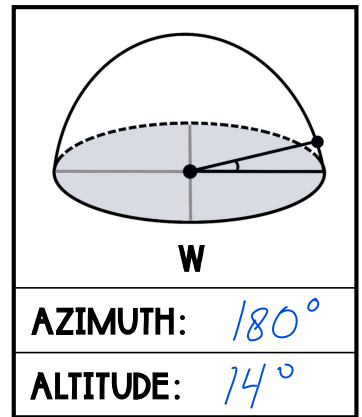
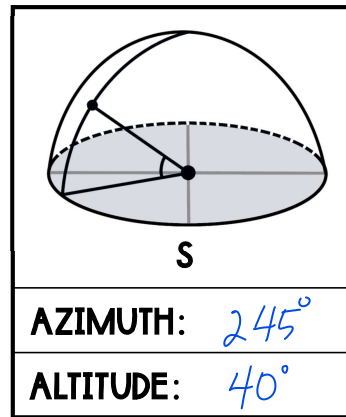
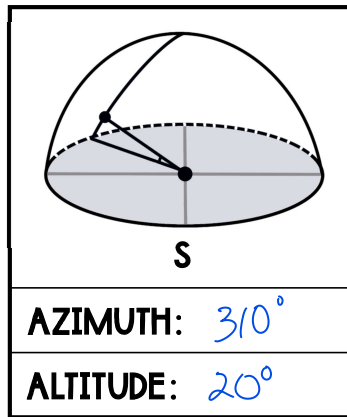
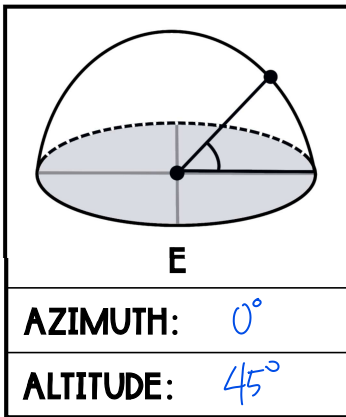
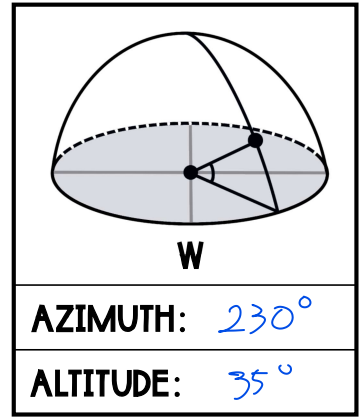
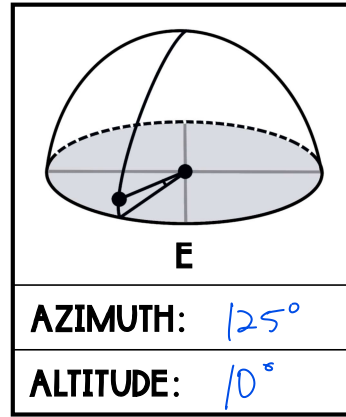
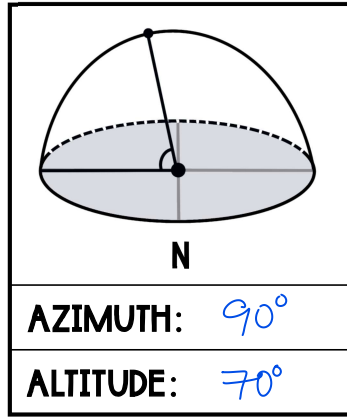
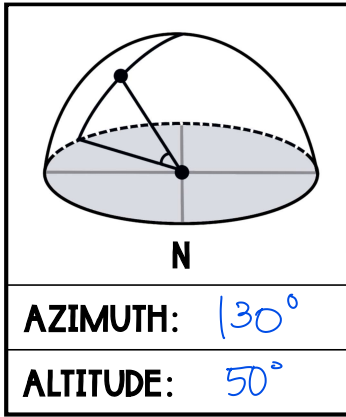


☆ AZIMUTH & ALTITUDE PRACTICE ☆

Estimate the azimuth and altitude for each of the following eight diagrams. Only use measurements (a protractor) where necessary:



Explain WHAT is wrong with this diagram and WHY that is wrong.

S

The star is behind the observer (altitude would be about 100°)

They should just turn so they are facing the star, making the altitude about 80°

If a star is at the zenith, explain why no azimuth is needed.

Because its directly overhead, its not really in any direction

©LAF SCIENCE

Why can we only estimate the altitude for most of our diagrams?

Because we cannot accurately represent a 3D scenario on a 2D diagram; the angles are inaccurate

A student comes up with the following answer given this diagram. What did they do wrong? (Don't just state the correct answer; explain their mistake!)

N

AZIMUTH: 25° 335°

ALTITUDE: 15°

They went counter-clockwise with the azimuth instead of clockwise. It should be 335°