

Assessment

Map Reading: Polar Coordinates

Name _____

Date _____

Put the following steps in proper order so you can determine polar coordinates:

- _____ Remove the protractor and connect the point and dot with a straight line.
- _____ Determine the desired distance to measure from the scale and mark the paper at this distance using tick marks.
- _____ Place a dot on the map at the second tick mark from the straight edge on the map.
- _____ Place the index mark of the protractor at the center of mass on the point from which you are measuring.
- _____ Remove the straight edge and determine the grid coordinate to the second point, which is the unknown point.
- _____ Locate the desired azimuth on the protractor scale and place a dot on the map at this azimuth.
- _____ Remove the protractor and connect the point and dot with a straight line.
- _____ Select the appropriate scale measurement and place a paper straight edge on the scale.
- _____ Align the straight edge with the azimuth line. Ensure the first tick mark is centered on the known point.

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Put the following steps in proper order so you can determine polar coordinates:

- 5 Determine the desired distance to measure from the scale and mark the paper at this distance using tick marks.
- 7 Place a dot on the map at the second tick mark from the straight edge on the map.
- 1 Place the index mark of the protractor at the center of mass on the point from which you are measuring.
- 8 Remove the straight edge and determine the grid coordinate to the second point, which is the unknown point.
- 2 Locate the desired azimuth on the protractor scale and place a dot on the map at this azimuth.
- 3 Remove the protractor and connect the point and dot with a straight line.
- 4 Select the appropriate scale measurement and place a paper straight edge on the scale.
- 6 Align the straight edge with the azimuth line. Ensure the first tick mark is center mast on the known point.