

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Focus on Geometry Fall 2015 Performance Task #2**

A man has 3 grown children. The oldest of his children lives in San Diego, California ( $32.7150^\circ$  N,  $117.1625^\circ$  W); the middle one lives in Denver, Colorado ( $39.7392^\circ$  N,  $104.9903^\circ$  W); and the youngest one lives in Albuquerque, New Mexico ( $35.1107^\circ$  N,  $106.6100^\circ$  W). The man would like to move to a location that is the same distance from all three of his children. To which city or town should he move?

**Extra:** What would the distance (in hours and miles) be for the dad from each of his children? Use Geometry and arithmetic, not Google Maps or a similar website, to find the time and the distance.