| | of Sines: Ambiguous Case | Name: Date: | Period: |
|-----------------|--|--|--|
| of two Sines | in your studies of the Law of Sin angles and a side. In this exploi when given the measures of two ngle A). Open the TI-Nspire Docu | ration you will examine the sides and a non-included ar | use of the Law of ngle (sides a and b |
| 1. | Move point <i>C</i> on the figure so triangle is formed with the maand <i>b</i> . | 2 | |
| 2. | Move point <i>C</i> so that when you with the marked angle <i>A</i> . Write | | |
| 3. | Move point <i>C</i> so that when you does <i>a</i> compare to <i>h</i> ? | ı rotate point <i>B</i> a right tria | ngle is formed. How |
| 4. | Move point <i>C</i> so that when you does <i>a</i> compare to <i>h</i> ? | $oldsymbol{u}$ rotate point $oldsymbol{B}$ no triangle | is formed. How |
| 5. | Make conjectures about how to determine the number of trian sides and a non-included angle | ngles possible when given t | |
| | a. One oblique triangle | | |
| | b. Two triangles | | |
| | c. One right triangle | | |
| | | | |

d. No triangles