Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_\_\_\_\_\_\_\_

Integrated 3 - Law of Sines Matching WS

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | 1. find a:   B  7  44°  53°  C  A | | |  | | --- | | 1. find c:   9  101°  63°  B  C  A | |
| |  | | --- | | 1. find b:   16  93°  58°  C  B  A | | |  | | --- | | 1. find A:   26  21  88°  C  B  A | |
| |  | | --- | | 1. find B:   42°  7  10  B  C  A | | |  | | --- | | 1. find C:   3  8  B  52°  C  A | |
| |  | | --- | | 1. find B:   18  16  B  62°  C  A | | |  | | --- | | 1. find A:   12  15  86°  B  C  A | |

*(triangles are not drawn to scale)*

Match the problems with the answers below:

\_\_\_\_\_\_\_ 32.96

\_\_\_\_\_\_\_ 72.92° and 107.08°

\_\_\_\_\_\_\_ 8.05

\_\_\_\_\_\_\_ 53.82° (reject 126.18°)

\_\_\_\_\_\_\_ error (no triangle formed)

\_\_\_\_\_\_\_ 32.05

\_\_\_\_\_\_\_ 83.36° and 96.64°

\_\_\_\_\_\_\_ 17.19° (reject 162.81°)