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

Integrated 3 - Law of Sines Matching WS

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| --- |
| 1. find a:

 B 7 44° 53°C A |

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| --- |
| 1. find c:

 9 101° 63° BC A |

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| --- |
| 1. find b:

 16 93° 58°C B A |

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| --- |
| 1. find A:

 26 21 88°C B A |

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| --- |
| 1. find B:

 42° 7 10 BC A |

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| --- |
| 1. find C:

 3 8 B 52°C A |

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| --- |
| 1. find B:

 18 16 B 62°C A |

 |

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| --- |
| 1. find A:

 12 15 86° BC 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°)