Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

 **3.4B NOTES – Similar Triangles**

*OBJECTIVE: Identify examples and non-examples of similar triangles. Use indirect measurement to find missing lengths of similar triangles. CCSS: 8.G.5*

*HW: Practice Test in B.I.M. (#1 – 10)*

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| **Angles of Similar Triangles (AA Postulate)****Words:** When two angles in one triangle are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to two angles in another triangle, the  third angles are also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the two triangles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**Example:** $ ∆ABC\~∆DEF$ |

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| **EXAMPLE PROBLEMS:**Tell whether the triangles are similar. Explain. 1. TA: C:\replacearts\Blue Record and Practice Journal\Blue Chapter 3 RPJ\Arts\PNGs\mscc8_rpj_0304_03.png 2.TA: C:\replacearts\Blue Record and Practice Journal\Blue Chapter 3 RPJ\Arts\PNGs\mscc8_rpj_0304_04.png |
| **Similar Test Question #15:**Tell whether the triangles are similar or not similar. Textbook pg 131 #11 and 12.

|  |  |
| --- | --- |
| a. | b. |

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**BACK 🡪**

**ON YOUR OWN**

Tell whether the triangles are similar. Explain.

|  |  |
| --- | --- |
| a. | b. |
| c.  | d.  |
| e. | f. |