**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U2 HW #3** *Finding Angle Measures in Triangles and Similar Triangles*

**Directions:** In the following problems, solve for the missing angle(s). SHOW YOUR WORK and each equation used to solve for missing variables/measure.

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| \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_ \_\_\_\_ \_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |
| 1. Given: line line *d.*   Hint: Extend the lines to see other relationshis.    \_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ | 1. Given: line line b   \_\_\_\_ \_\_\_\_\_ \_\_\_\_  \_\_\_\_\_ \_\_\_\_\_\_ |
| \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_\_\_ | 1. Given: line line *m*     \_\_\_\_\_  \_\_\_\_\_\_\_ \_\_\_\_\_ |