Pre-Calculus 11 **Section 2.3 Part 3 Solving Triangles**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_

**Solve** each triangle. First draw a sketch and determine how many triangles exist by checking h < a < b.

\*\*\* Remember: only SSA triangles may have two possible solutions!

1.  b. ,

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1.  b. ,

c. ,  d. , 

Answers:

 a. , 

b. ; 

 c. 

 d. no triangles exist – obtuse angle have the longest side opposite it

c. ,  d. , 

Answers:

 a. , 

b. ; 

 c. 

 d. no triangles exist – obtuse angle have the longest side opposite it