

Name \_\_\_\_\_

Date \_\_\_\_\_ Pd \_\_\_\_

**INTRO TO THE FAST FOOD FACTORY**

Use the tools: straight edge (ruler), protractor, and compass to create the following triangles using only the tools above and the information provided. If you need more assistance there are video directions posted to the website and written directions there also. Show all arc marks for full credit when doing constructions.

These are for your notes, be sure to make notes of any frustrations or confusion so you can refer back to these when interviewing for the sandwich job. You do not want to repeat mistakes or be frustrated again.

HL:  $AB = 4\text{cm}$ ,  $BC = 6\text{cm}$

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SAS:  $AB = 10\text{cm}$ ,  $m\angle A = 30^\circ$ ,  $AC = 9\text{ cm}$

SSS:  $AB = 8\text{ cm}$ ,  $AC = 7\text{ cm}$ ,  $BC = 6\text{ cm}$

ASA:  $m \angle A = 30^\circ$ ,  $AB = 8 \text{ cm}$ ,  $m \angle B = 20^\circ$

AAS:  $m \angle C = 120^\circ$ ,  $m \angle A = 50^\circ$ ,  $AB = 6 \text{ cm}$

SSA:  $m\angle A = 40^\circ$ ,  $AB = 7$  cm,  $BC = 6$  cm

AAA:  $m\angle A = 30^\circ$ ,  $m\angle B = 20^\circ$ ,  $m\angle C = 130^\circ$

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