

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 11: Conditions on Measurements that Determine a Triangle

### Exit Ticket

1. What is the maximum and minimum whole-number side length for  $\triangle XYZ$  with given side lengths of 3 cm and 5 cm? Please explain why.
2. Jill has not yet studied the angle measurement requirements to form a triangle. She begins to draw side  $AB$  of  $\triangle ABC$  and considers the following angle measurements for  $\angle A$  and  $\angle B$ . Describe the drawing that results from each set.

$A$  \_\_\_\_\_  $B$

- a.  $45^\circ$  and  $135^\circ$
- b.  $45^\circ$  and  $45^\circ$
- c.  $45^\circ$  and  $145^\circ$