Angle Relationships

**Measurement**

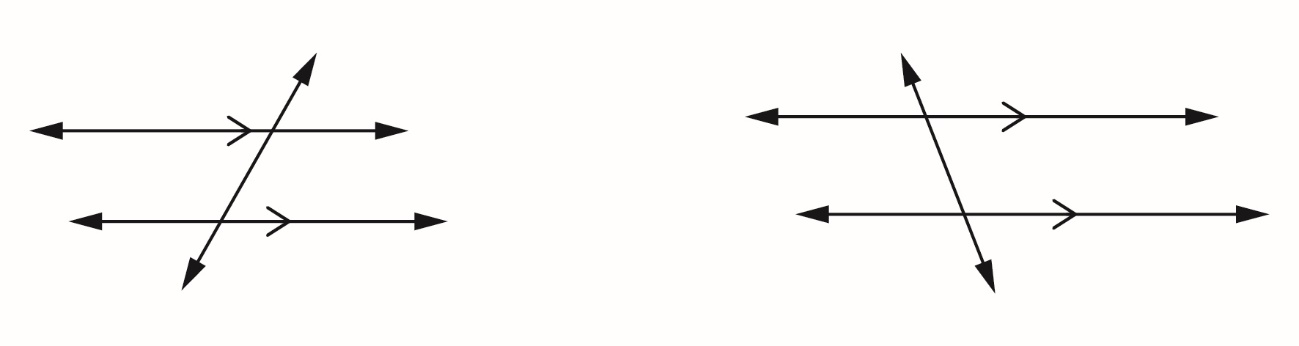
**Unit 1 Line Master 5a**

**Part A:**

Draw a transversal through each pair of parallel lines, as shown   
in the examples. Use a protractor to measure all of the angles formed. Label each diagram with the angle measurements.

Look for and make a note of any new relationships you notice between the angle measurements.

Examples of transversals:

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|  |  |
| --- | --- |
| a) | b) |
| c) |  |

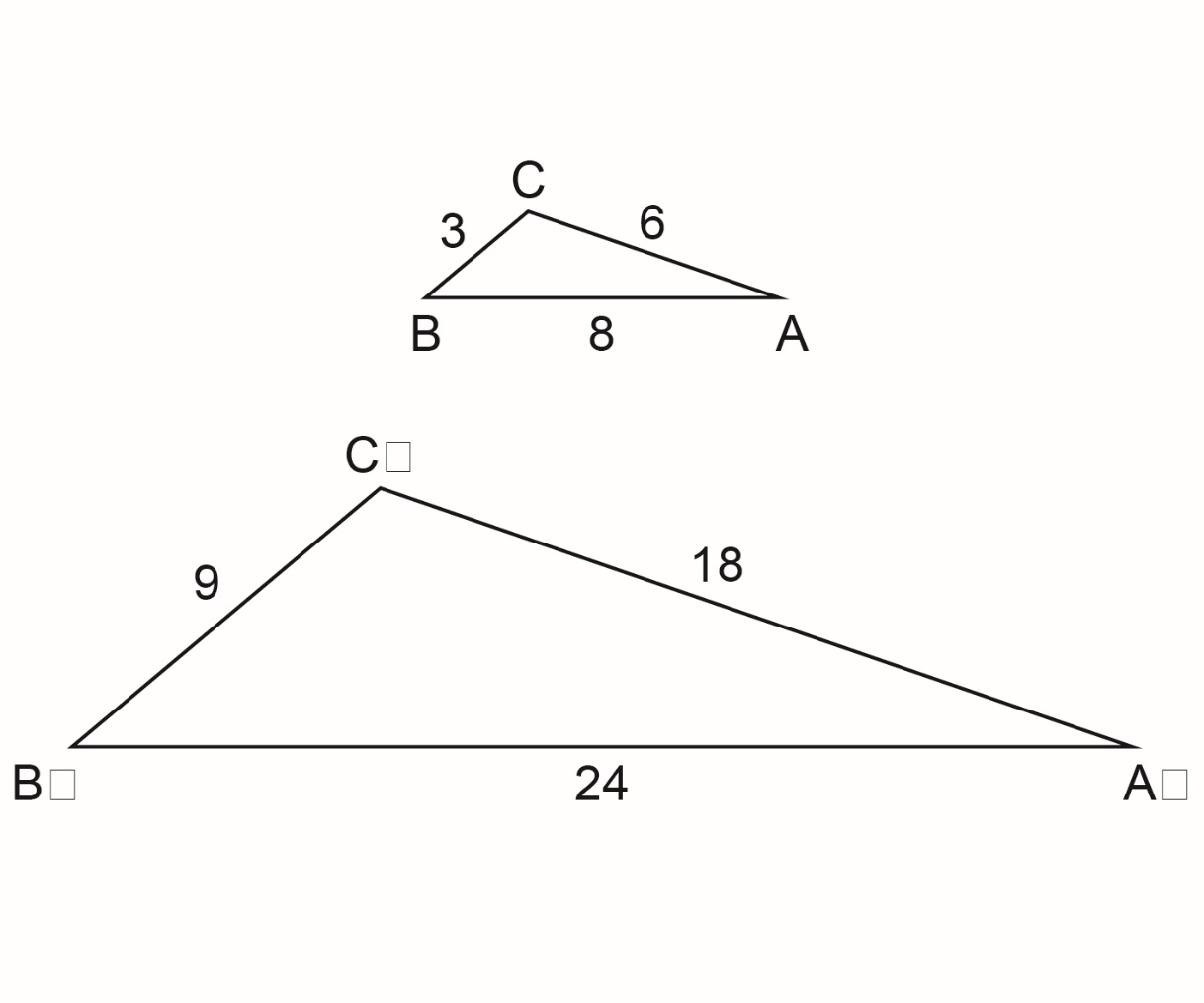
Angle Relationships (cont’d)

**Measurement**

**Unit 1 Line Master 5b**

**Part B:**

The two triangles are similar. How do you know?Measure the interior angles of each of these triangles.   
What do you notice?

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C’

B’

A’