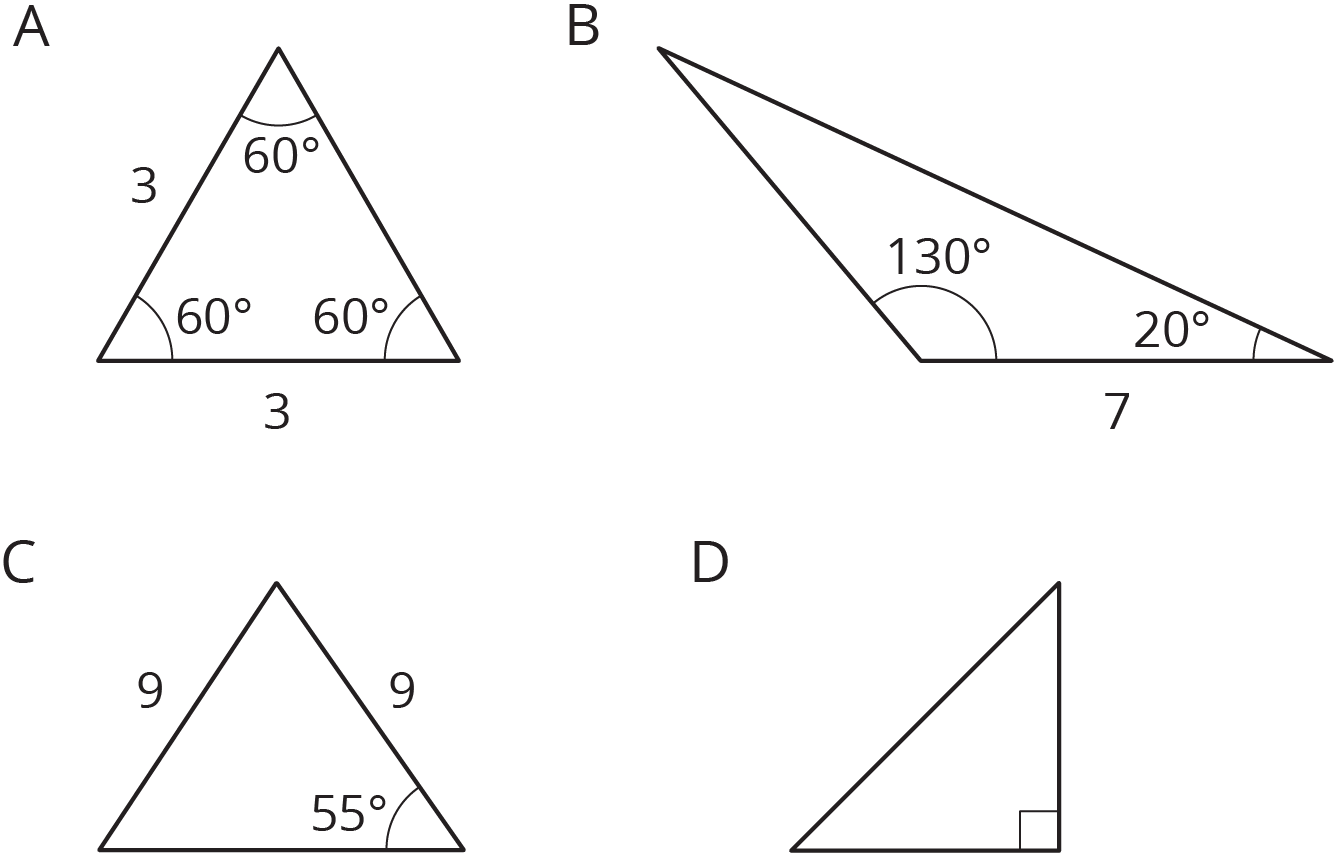
## Unit 7 Lesson 9: Drawing Triangles (Part 1)

### 1 Which One Doesn’t Belong: Triangles (Warm up)

#### Student Task Statement

Which one doesn’t belong?



### 2 Does Your Triangle Match Theirs?

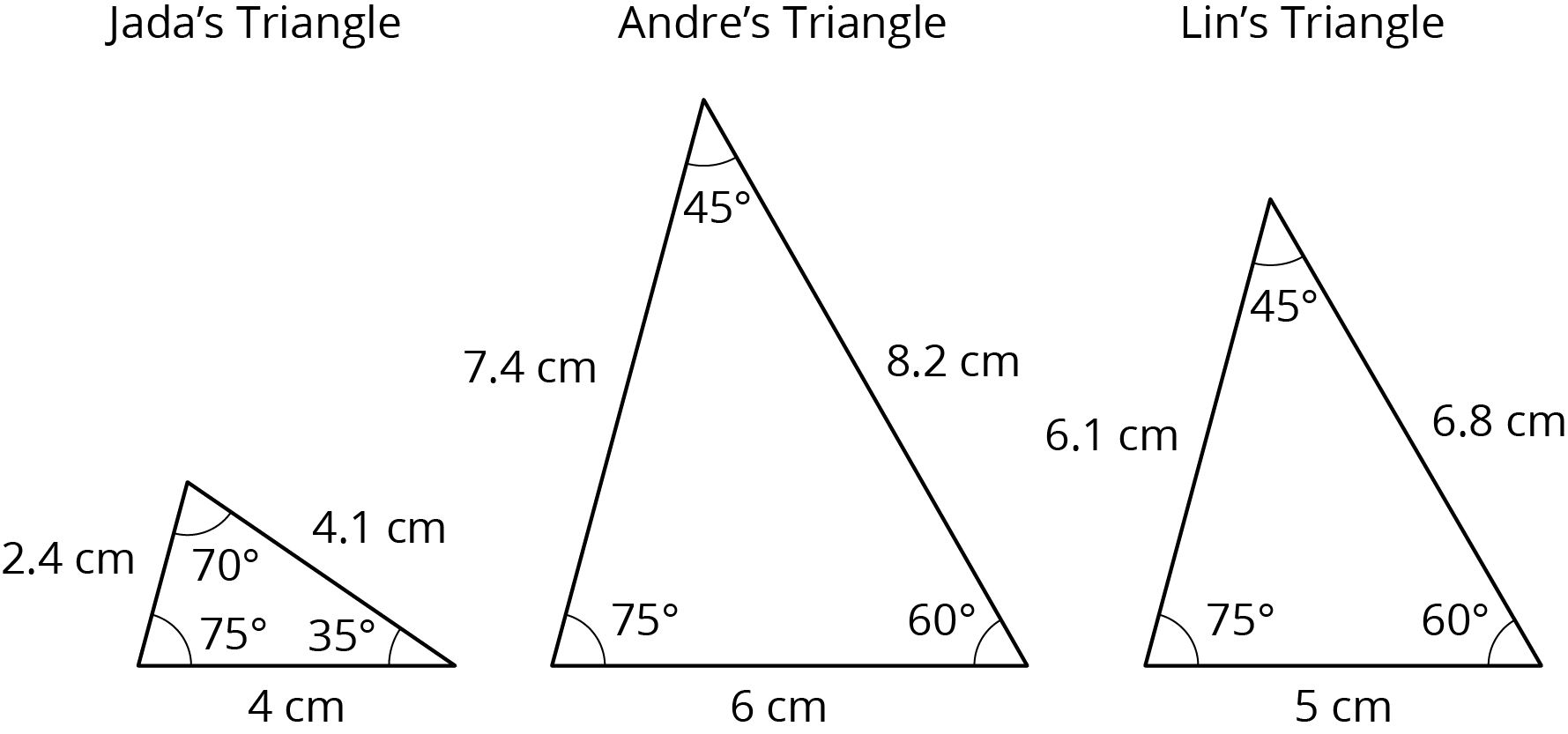
#### Student Task Statement

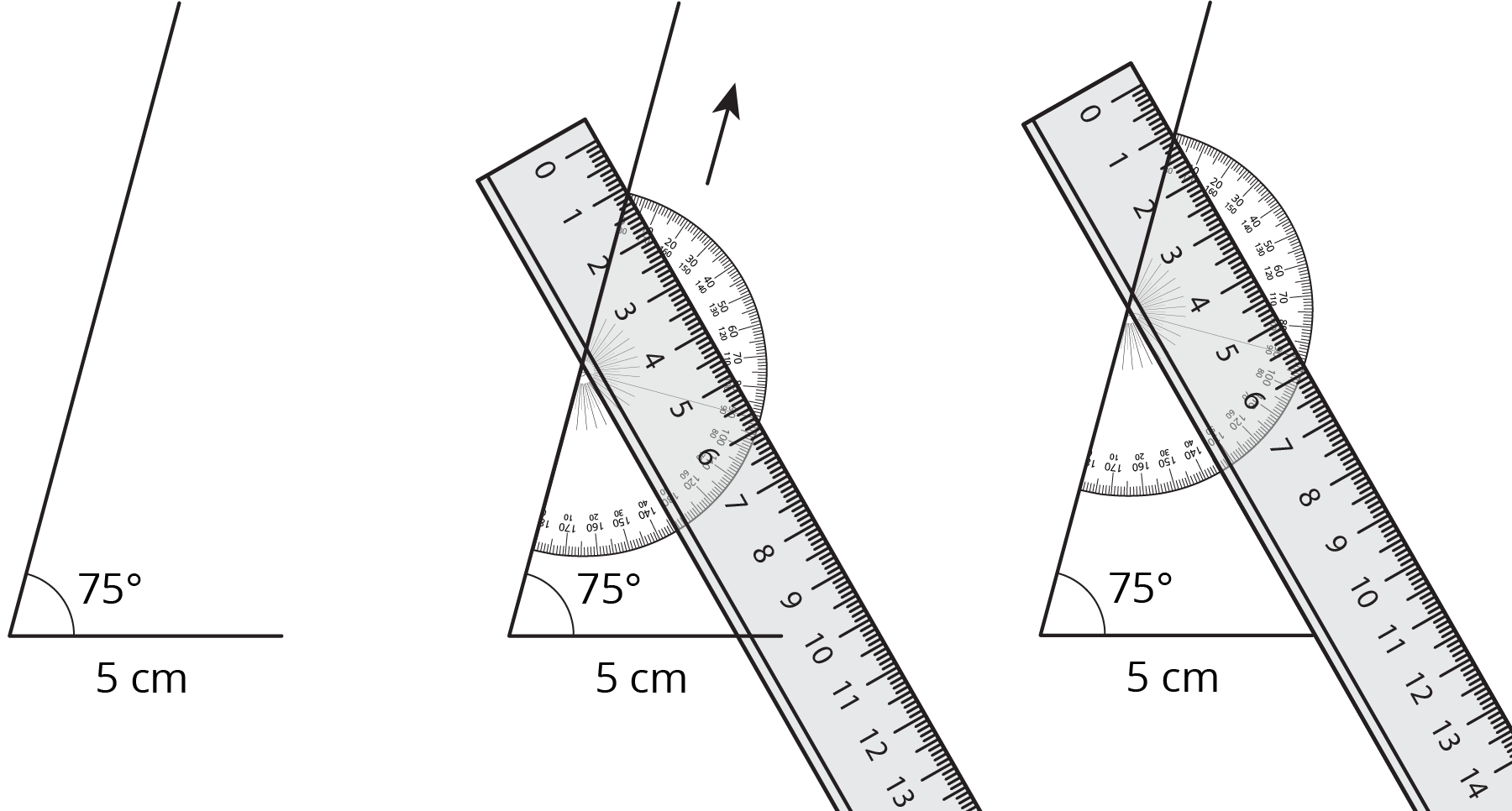
Three students have each drawn a triangle. For each description:

* Draw a triangle with the given measurements.
* Measure and label the other side lengths and angle measures in your triangle.
* Decide whether the triangle you drew must be an identical copy of the triangle that the student drew. Explain your reasoning.

1. Jada’s triangle has one angle measuring .
2. Andre’s triangle has one angle measuring and one angle measuring .
3. Lin’s triangle has one angle measuring , one angle measuring , and one side measuring 5 cm.

#### Activity Synthesis





### 3 How Many Can You Draw?

#### Student Task Statement

1. Draw as many different triangles as you can with each of these sets of measurements:
   1. Two angles measure , and one side measures 4 cm.
   2. Two angles measure , and one side measures 4 cm.
   3. One angle measures , one angle measures , and one side measures 4 cm.
2. Which of these sets of measurements determine one unique triangle? Explain or show your reasoning.



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