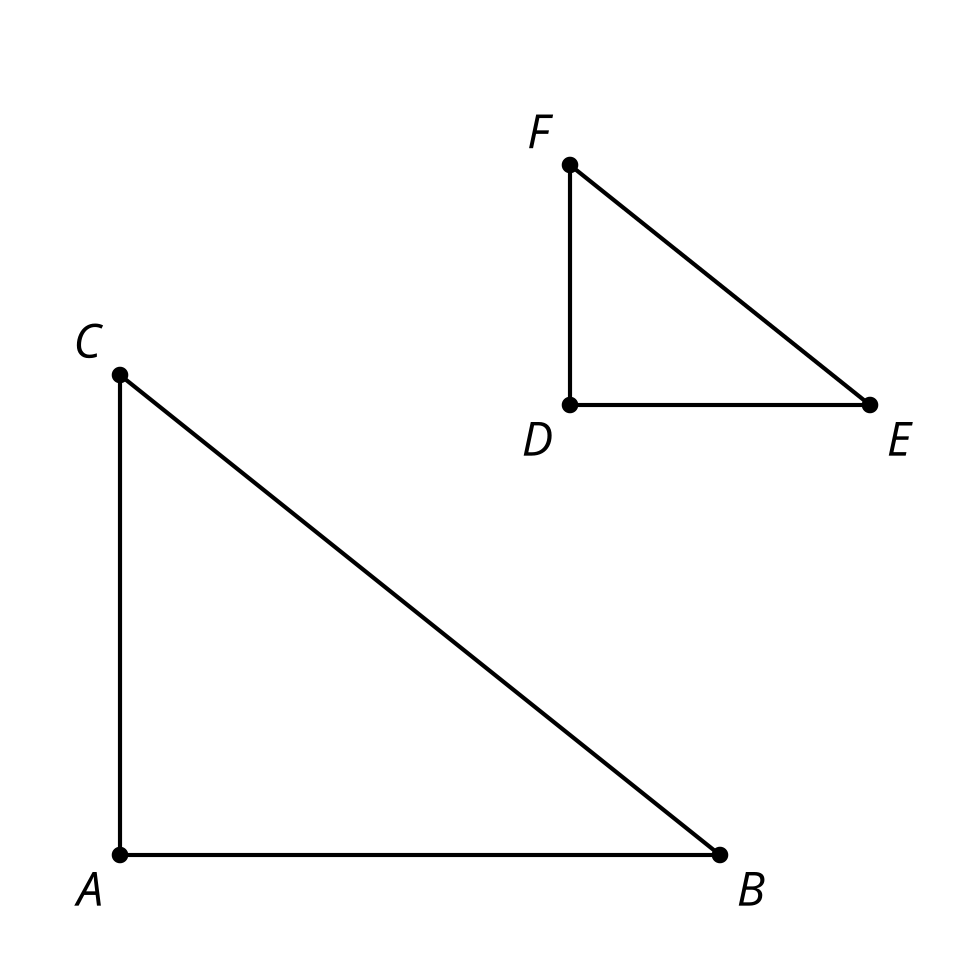
## Unit 4 Lesson 1: Angles and Steepness

### 1 Ratios Galore (Warm up)

#### Student Task Statement

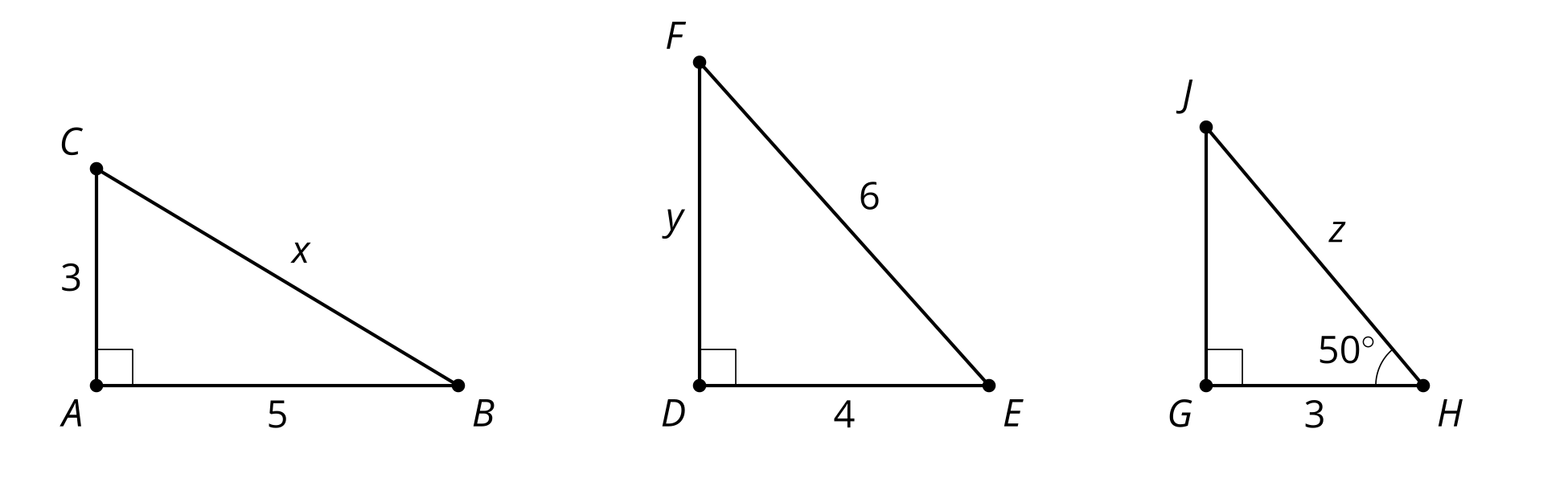
Triangle is similar to triangle . Write as many equations as you can to describe the relationships between the sides and angles of the 2 triangles.



### 2 Can You Calculate?

#### Student Task Statement

Find the values of . If there is not enough information, what else do you need to know?



### 3 Is it Accessible?

#### Student Task Statement



1. Some buildings offer ramps in addition to stairs so people in wheelchairs have access to the building. What characteristics make a ramp safe?
2. A school has 4 steps to the front door. Each step is 7 inches tall. Design a ramp for the school.
3. Your teacher will give you the Americans with Disabilities Act (ADA) guidelines. Does your design follow the rules of this law? If not, draw a new design that does.



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