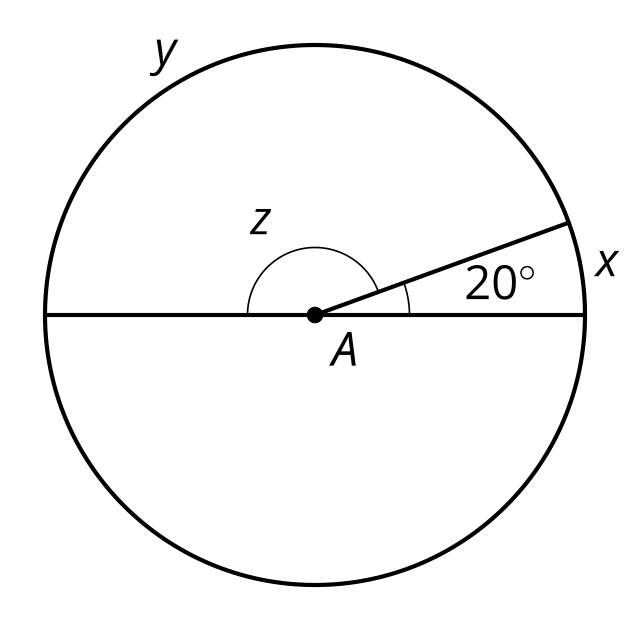
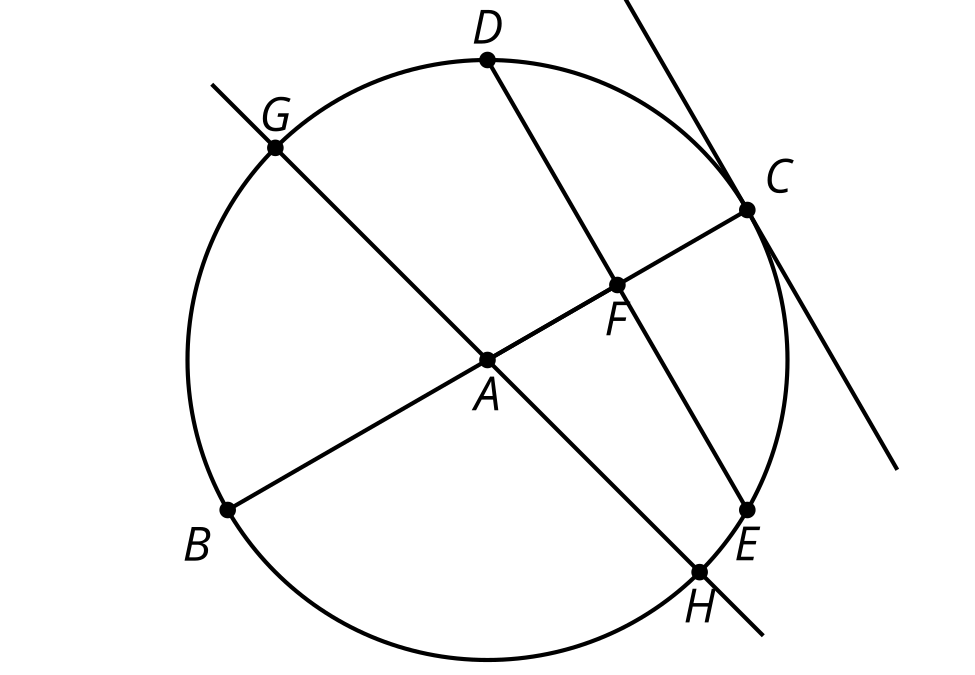
### Lesson 1 Practice Problems

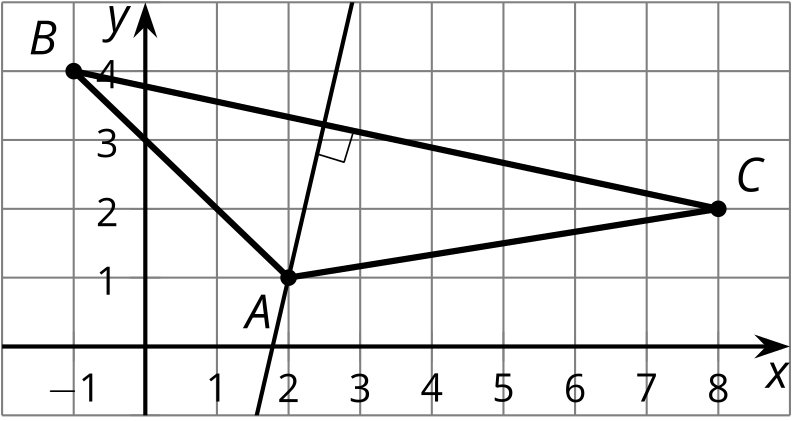
1. Find the values of and .

* 

1. Give an example from the image of each kind of segment.
   1. a diameter
   2. a chord that is not a diameter
   3. a radius

* 

1. Identify whether each statement must be true, could possibly be true, or definitely can’t be true.
   1. A diameter is a chord.
   2. A radius is a chord.
   3. A chord is a diameter.
   4. A central angle measures 90.
2. Write an equation of the altitude from vertex .

* 
* (From Unit 6, Lesson 17.)

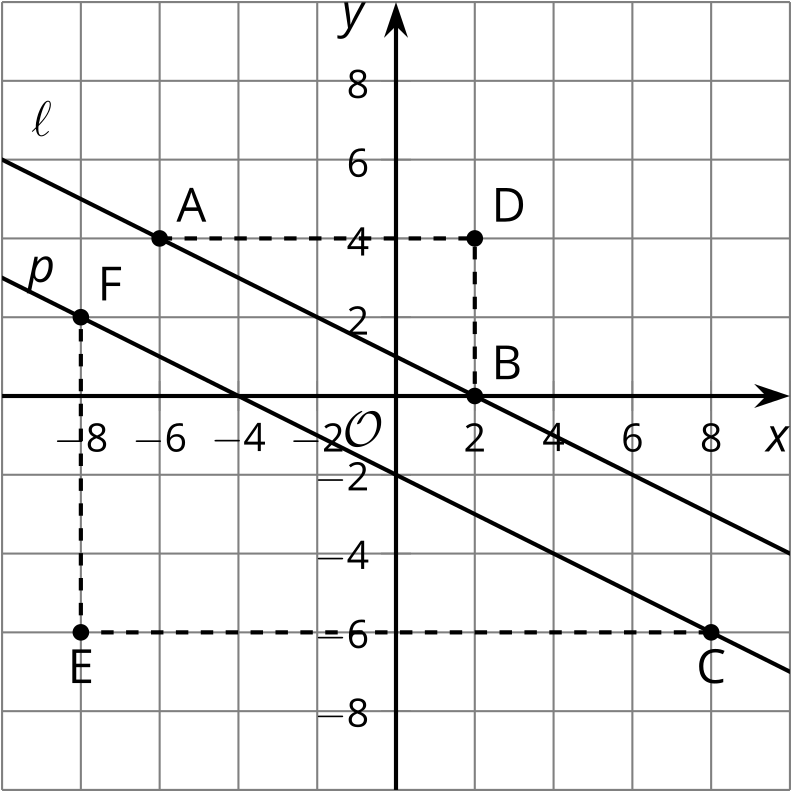
1. Triangle has vertices at  and . What is the point of intersection of the triangle’s medians?
   1. The medians do not intersect in a single point.

* (From Unit 6, Lesson 16.)

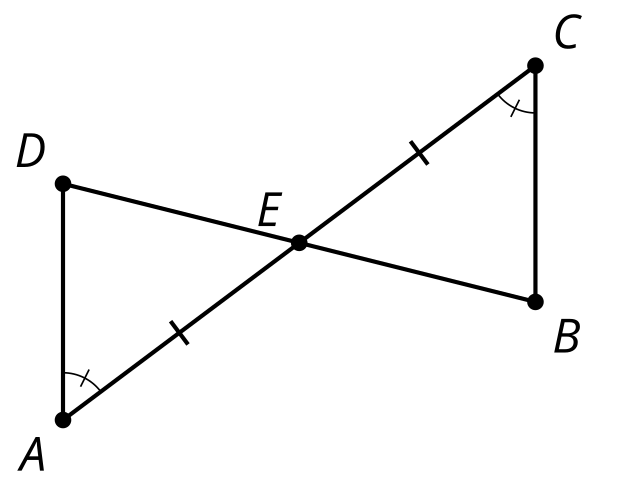
1. Consider the parallelogram with vertices at  and . Where do the diagonals of this parallelogram intersect?

* (From Unit 6, Lesson 15.)

1. Lines and are parallel. Select **all** true statements.

* 
  1. Triangle is congruent to triangle .
  2. The slope of line is equal to the slope of line .
  3. Triangle is similar to triangle .
* (From Unit 6, Lesson 10.)

1. Mai wrote a proof that triangle is congruent to triangle . Mai's proof is incomplete. How can Mai fix her proof?

* We know side is congruent to side and angle is congruent to angle . By the Angle-Side-Angle Triangle Congruence Theorem, triangle is congruent to triangle .
* 
* (From Unit 2, Lesson 7.)



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