### Lesson 2 Practice Problems

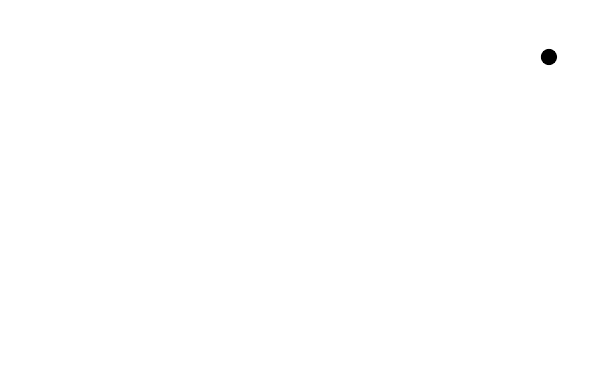
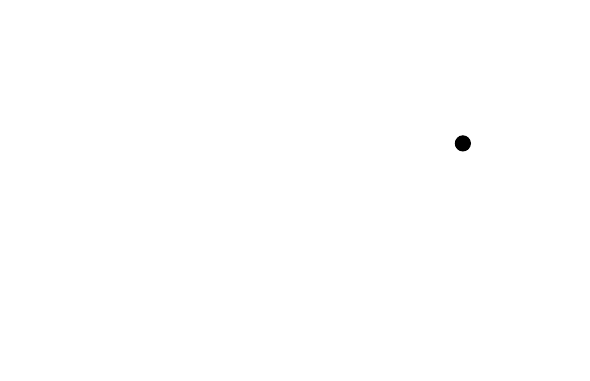
1. Figure is the image of figure by a dilation with scale factor 2. Where is the center of this dilation?

* 
  1. Point
  2. Point
  3. Point
  4. Point

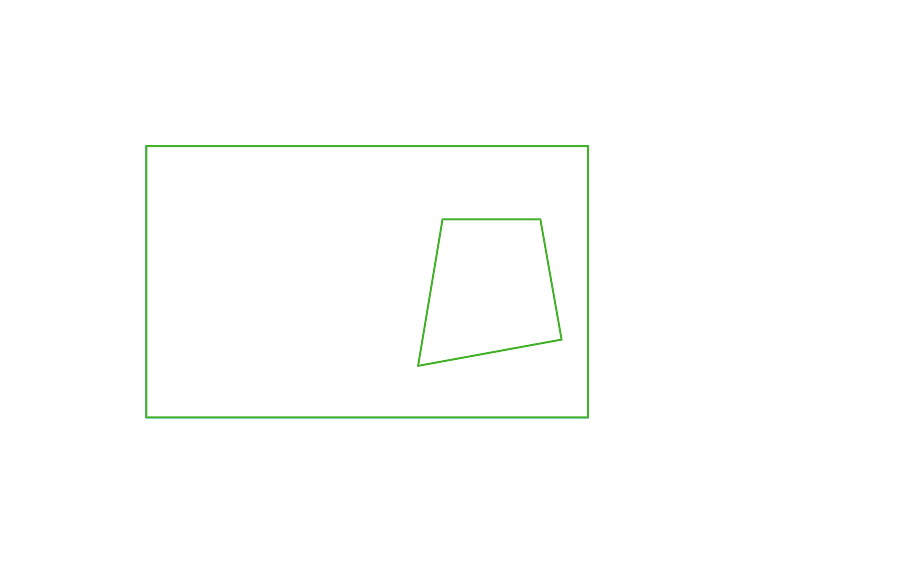
1. Dilate quadrilateral using center and scale factor .

* 

1. Triangle is dilated. The image is , find the value of .

* 
* 

1. Polygon is a scaled copy of Polygon .

* 
* The value of  is 6, what is the value of ?
  1. 4
  2. 5
* (From Unit 3, Lesson 1.)

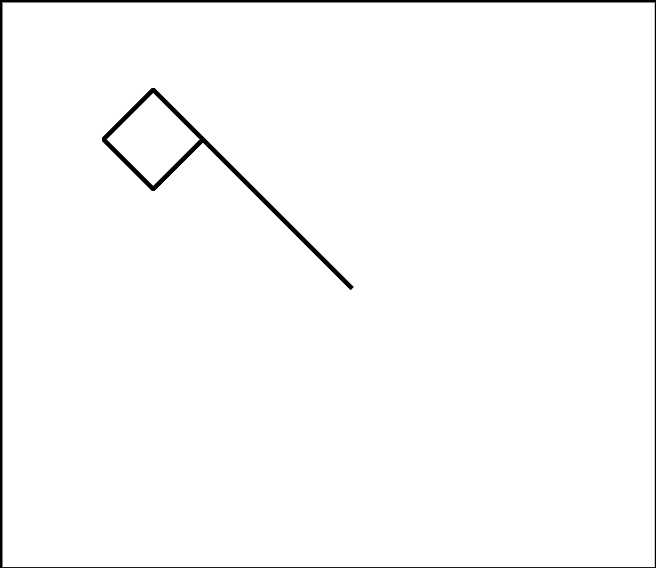
1. Solve each equation.

* (From Unit 3, Lesson 1.)

1. is a kite. Angle has a measure of 94 degrees and angle has a measure of 60 degrees. Find the measure of angle .

* 
* (From Unit 2, Lesson 9.)

1. The semaphore alphabet is a way to use flags to signal messages. Here's how to signal the letter U. Describe a transformation that would take the right hand flag to the left hand flag.

* U
* 
* (From Unit 1, Lesson 13.)



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