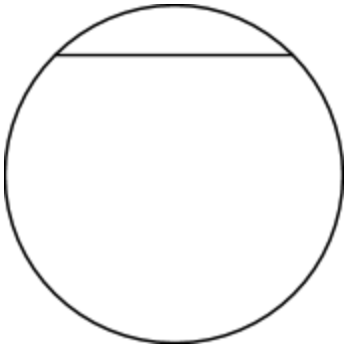
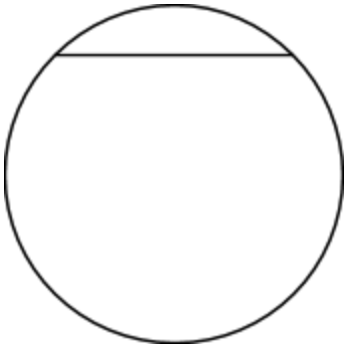
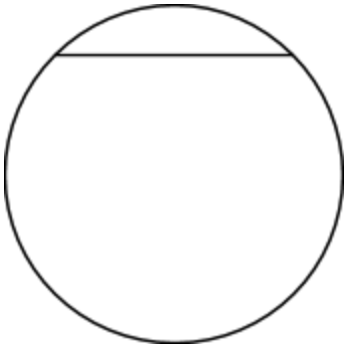
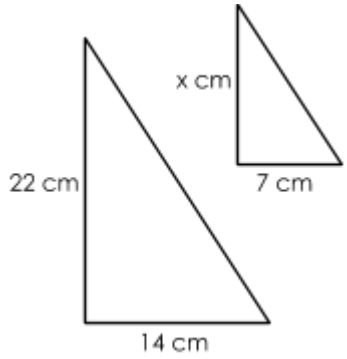
Investigating Dilations

There is an Image defined as "Monty" that has a width of 1000 pixels and a height of 1100 pixels.

	Circle of Evaluation	Racket Code
Make an image of Monty that is ⅓ the size of the original		
Scale down the image of Monty by 90%		
Create an image of Monty that has a width of 314 pixels		

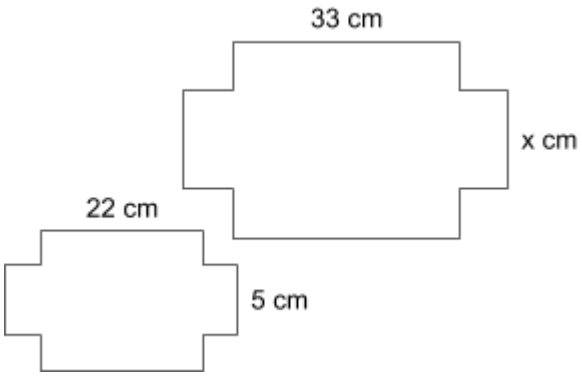
Dilations Practice 1

The leftmost image is the original and the rightmost is the scaled version.



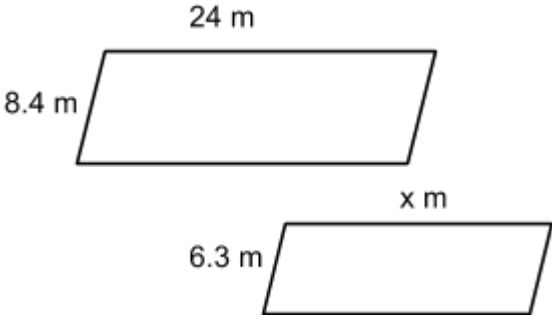
x = _____ scale factor = _____

How I know: _____



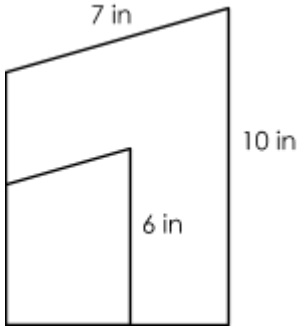
x = _____ scale factor = _____

How I know: _____



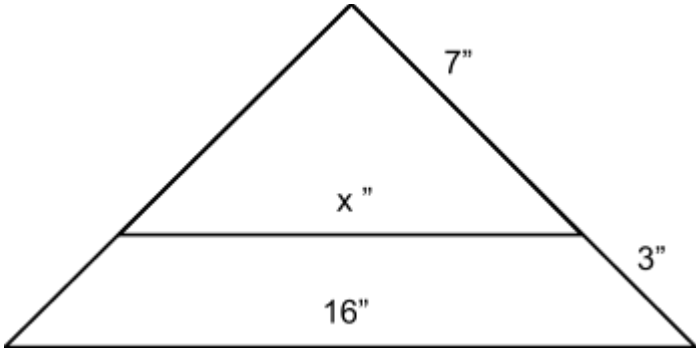
x = _____ scale factor = _____

How I know: _____



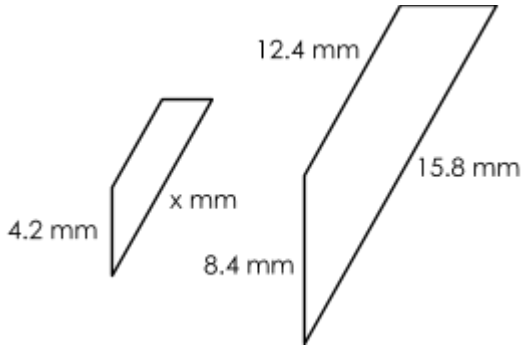
x = _____ scale factor = _____

How I know: _____



x = _____ scale factor = _____

How I know: _____



x = _____ scale factor = _____

How I know: _____

Flags of the World

Distinctio quam in atque reiciendis placeat. Commodi totam dolores doloremque. Dolor temporibus exercitationem quam quis voluptatum necessitatibus maiores vel.

Last updated 2019-03-11 13:47:34 EDT

Flag Planning

The flag I've chosen to make is the flag of _____.

I chose this flag because _____.

The aspect ratio is _____, so my flag will be _____ tall and _____ wide.

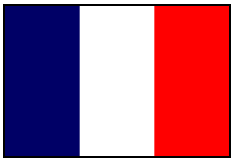
To create this flag, I will need to use the following functions:

Use the space below to draw Circles of Evaluation to help you in planning out your flag.

Flag Analysis

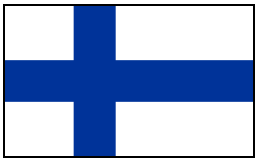
Identify the different shapes, including color and dimensions, that make up these flags. Use the flag's given dimensions (height x width) to estimate (or calculate?) the dimensions of the different shapes.

France (200 x 300)



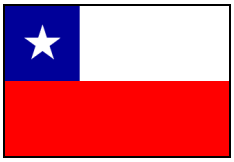
- _____
- _____
- _____

Finland (1100 x 1800)



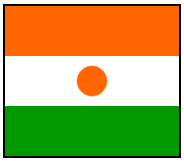
- _____
- _____
- _____

Chile (400 x 600)



- _____
- _____
- _____
- _____

Niger (600 x 700)



- _____
- _____
- _____
- _____

Cameroon (240 x 360)

- _____
- _____
- _____
- _____

Cuba (175 x 350)

- _____
- _____
- _____
- _____

Image transformations

Qui consequuntur et ipsa omnis dolor. Beatae ea dolorum consequatur. Ab voluptate earum maiores cumque excepturi nobis est necessitatibus. Expedita voluptatibus quia earum sit quo.

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Image Transformation Exploration

Investigate the reflect-x, reflect-y, and rotate functions with your partner.

I think the contract for reflect-x is _____ : _____

I think the contract for reflect-y is _____ : _____

I think the contract for rotate is _____ : _____

Use the space below to draw and explain visually to someone else what these three functions do.

Draw Circle of Evaluations for the following requests:

1. Rotate an Image (called BlueDolphin) 45 degrees, then reflect over the x-axis

2. Reflect an Image (called FunnyPirate) over the y-axis, then rotate clockwise 120 degrees