

Name:

Date:

Class:

Team:

Student #:



Foundations of Math II-Unit 4-Transformations Coming Attractions Unit Calendar

Unit Focus: I will teach specific concepts on specific days, but students may move at their own pace on Khan Academy within this unit and can also work ahead.

Directions: Students use this sheet every day and get a stamp/signature when they complete the activity/assignment. This sheet is due on the day of the test. Each online activity is worth 10 points. Complete a Khan Academy Show What You Know Answer Sheet for each task you complete in the boxes on the right. Online Activities(Khan Academy/Freckle) time commitment: No more than 1 hour.

Date Assigned	Activity/Assignment	Stamp/Signature
Tues. 3/5	Intro To Geometry Quilt Project Tasks #2-3 CA-Project Task #2-4	
Wed. 3/6	4.1 Translations CA-Intro To Geometry Quilt Project Tasks #2-4	
Thurs. 3/7	4.2 Reflections CA-Geometry Quilt Block Project Task #5	
Fri. 3/8 Early Release	4.3 Reflections Part 2 CA-Geometry Practice	
Mon. 3/11	4.4 Rotations CA-Spiral Review 4.1	
Tues. 3/12	4.4 Rotations Part 2 CA-Identify Transformations	
Wed. 3/13	4.5 Mixed Practice CA-Voice and Choice Activity #1	
Thurs. 3/14	Unit 4 Performance Task CA-None	
Fri. 3/15	She Leads Conference Have a Funtastic Spring Break!	

Khan Academy Transformations

Unit Playlist (REQUIRED):

Directions: Initial the date you complete each task below in order.

- Perform Translations
- Perform Rotations
- Perform Reflections
- Perform Dilations
- Identify Transformations

Google Classroom (REQUIRED)

Directions: Check daily posts. There are videos for each lesson. Complete notes, summary, & question on paper and submit via Google Classroom.(CLICK DONE)

Website:

nyoungmath.weebly.com

Google Classroom:

Daily assignments can be accessed through Google Classroom with your Wake County student email login.

Email: nyoung@wcpss.net

* Activities are subject to change.

* Non-online activity completion will be recorded via Class Dojo.

* Graded late work will be accepted up to 2 days following the original due date.

* When you are absent, you are responsible for making up missed work.



"There is more treasure in books than in all the pirate's loot on Treasure Island." ~ Walt Disney
Take time to read a good book!

Name: _____

Date: _____

Class: _____

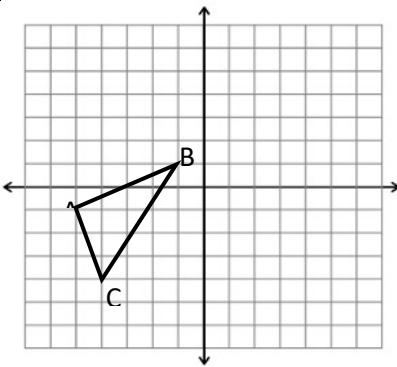
Team: _____

Student #: _____



Foundations of Math II-Unit 4-Transformations Voice and Choice Menu

1. Create a mini-poster describing how to **Graph** the image of triangle ABC after a reflection across the line $y = x$. Then list the coordinates of the image.

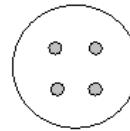


2. You are Dr Math. Answer the letter to Iwanna B. Agenius, II using letter format and 5-7 complete sentences. Use the Mouse Ears Template.

Dear Dr. Math,
I've been on vacation to Disney World and missed math class for the week. I need your help solving this problem: Graph the points J(-3, -1), K(-1, 4), L(3, 3) and M(4, -2) and then rotate the figure 180°. A) Write the algebraic rule for the transformation B) Write the coordinates of the image. Include graph with activity.
Sincerely,
Iwanna B. Agenius, II

3. You are Dr Math. Answer the letter to Iwanna B. Agenius, II using letter format and 5-7 complete sentences. Use the Mouse Ears Template.

Dear Dr. Math,
I've been on vacation to Disney World and missed math class for the week. I need your help solving this problem: Does the button have rotational symmetry?



If yes, find the angle of rotation and describe how you found it. If no, tell why it does not have rotational symmetry.

Sincerely,
Iwanna B. Agenius, II

4. VOCABULARY BLAST

Create a pennant for all of the vocabulary words. Include an illustration with each definition.

1. translation
2. reflection
3. rotation
4. dilation
5. isometry
6. line of symmetry
7. rotational symmetry
8. rotational symmetry

5. Create a foldable for remembering the transformation rules for reflection, translation, dilation, and rotation.

6. Search the internet for online practice games on transformations (rotational symmetry, reflections, rotations, translations, dilations). Try two games. After trying each game, write on an index card a review of what you thought. Also create a rating for the game (1 to 5, easy, medium, hard, etc.) Include the website for both along with the rating on an index card and post as a comment on Google Classroom.

Directions: You will choose 2 activities to complete throughout the unit. Each activity is due the next day in class. When you have completed the 2 activities, you may decide to be finished or you may decide to keep going and complete all 6 activities. Use **COLOR** for all activities. Use blank copy paper or color paper. NO NOTEBOOK paper or pencil for final product.

I choose activities #_____, #_____.

Do you have ideas for alternate activities you'd like to do instead? Talk them over with your teacher. I prefer to do the following alternate activities: _____.

Teacher signature for alternate activity approval: _____.

