

## How was your 3-day weekend?!?

<b>Tuesday</b> Date: <u>1 - 16</u> Topic: <u>Quiz Review</u>
<b>Wednesday</b> Date: <u>1 - 17</u> Topic: <u>4.2 Partner Quiz</u>
<b>Thursday</b> Date: <u>1 - 18</u> Topic: <u>Semester Review</u>
<b>Friday</b> Date: <u>1 - 19</u> Topic: <u>Semester Review</u>

Agenda for the week  
No monitoring page  
- homework is to  
review for unit test  
and final :)

## Class Plan:

1. Warm-up

2. Transformation Task #3 -

Create your own translations & reflections

- Choose Quadrilateral or Pentagon to transform

3. Transformation Task #4 -

Create object & transformations

**Tuesday, January 23, 2018**

- Four Period day.
- Lunch with period 3 teacher.
- One hour, 25 minute classes

Period 1: Study Hall	8:05-9:30
Period 2	9:40-11:05
Period 3	11:15-1:10*
<i>*Lunch to be determined</i>	
Period 4	1:20-2:45

**Wednesday, January 24, 2018**

- Four Period day.
- Lunch with period 6 teacher.
- One hour, 25 minute classes

Period 1: Finals	8:05-9:30
Period 5	9:40-11:05
Period 6	11:15-1:10*
<i>*Lunch to be determined</i>	
Period 7	1:20-2:45

**On the day of the final:**

- 1) Unit 4 test (Re-assess radicals and special right triangles)
- 2) Multiple Choice final (Questions from unit 1, 2, 3, and 4)

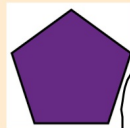
**Do: Choose task for you and your partner.**  
 Use the rubric to ensure you are meeting all criteria!

<p>5</p>	<p>The student is able to:</p> <ul style="list-style-type: none"> <li>• Usually use appropriate mathematical language.</li> <li>• Usually use appropriate forms of mathematical representation to present information correctly.</li> <li>• Usually move between different forms of mathematical representation.</li> <li>• Communicate through lines of reasoning that are complete and coherent.</li> </ul> <p>6</p> <ul style="list-style-type: none"> <li>• Present work that is usually organized using a logical structure.</li> </ul>	<ul style="list-style-type: none"> <li>• Transformation descriptions are complete, and coherent.</li> <li>• Geometric shape is graphed, labeled, reflected, and translated with <b>little error</b>.</li> <li>• Transformation vectors are used with <b>little error</b>.</li> <li>• An ordered pair rule is written to describe <b>at least one</b> transformation.</li> <li>• The piece of work is <b>mostly</b> organized and neat.</li> <li>• Partners communicate effectively in pair.</li> </ul>
<p>7</p>	<p>The student is able to:</p> <ul style="list-style-type: none"> <li>• Consistently use appropriate mathematical language</li> <li>• Use appropriate forms of mathematical representation to consistently present information correctly.</li> <li>• Move effectively between different forms of mathematical representation.</li> <li>• Communicate through lines of reasoning that are complete, coherent, and concise.</li> <li>• Present work that is consistently organized using a logical structure.</li> </ul> <p>8</p>	<ul style="list-style-type: none"> <li>• Transformation descriptions are complete, coherent, and concise.</li> <li>• Geometric shape is graphed, labeled, reflected, and translated correctly.</li> <li>• Transformation vectors are used correctly.</li> <li>• An ordered pair rule is written to describe <b>each</b> transformation.</li> <li>• The piece of work is organized and neat.</li> <li>• Partners communicate effectively in pair.</li> </ul>

## Do: Transformation Tasks

1. Choose V1 Quadrilateral or V2 Pentagon for you and your partner.

Today - Create your own transformations.



start change

$$(X, Y) \rightarrow (-X, Y)$$

2. Practice Assessment.

Create Objects and transformations to perform.

Done? Study!

# Quadrilateral - Version 1

VERSION 1 – Task #3 (Given Object)

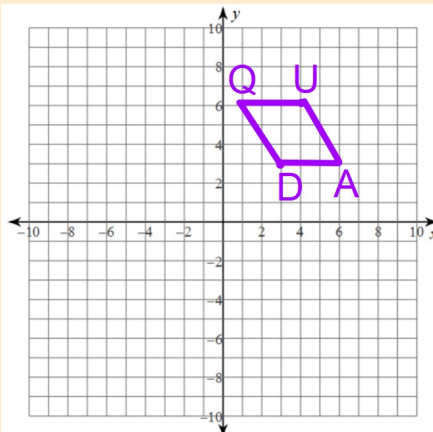
Name \_\_\_\_\_

MYP Criterion C: Communicating Transformations

Date \_\_\_\_\_ Period \_\_\_\_\_

**Transformation task:** Translate & reflect the object however you'd like  
(Show your understanding of transformations).

Coordinates of the object:  $Q(1,6)$   $U(4,6)$   $A(6,3)$   $D(3,3)$



## Pentagon - Version 2

VERSION 1 – Task #3 (Given Object)

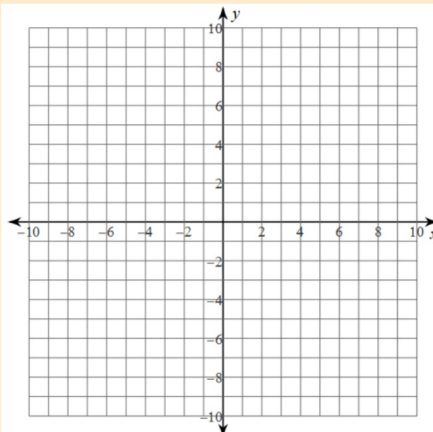
Name \_\_\_\_\_

MYP Criterion C: Communicating Transformations

Date \_\_\_\_\_ Period \_\_\_\_\_

**Transformation task:** Translate & reflect the object however you'd like  
(Show your understanding of transformations).

Coordinates of the object: P(2,-1) E(4,-4) N(2,-7) T(-1,-5) A(-1,-3)



## Create a translation!

1) **Translation (Create Your Own!):**

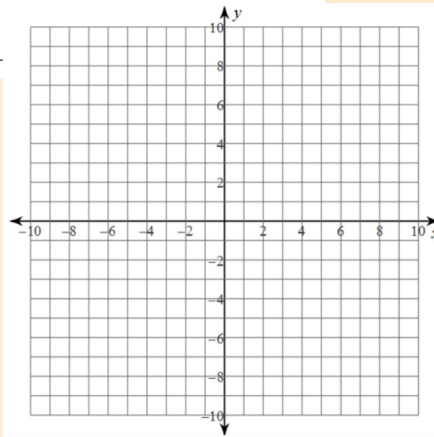
a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the **image**:

c) Write a translation vector \_\_\_\_\_

d) Write an ordered pair rule \_\_\_\_\_



Quadrilateral - Version 1



## Create a translation!

1) **Translation (Create Your Own!):**

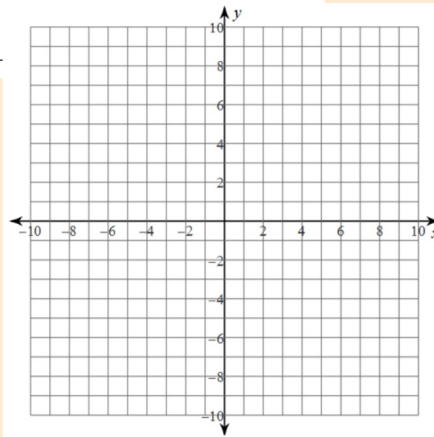
a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the **image**:

c) Write a translation vector \_\_\_\_\_

d) Write an ordered pair rule \_\_\_\_\_



Pentagon - Version 2

## Example:

Coordinates of the object:  $Q(1,6)$   $U(4,6)$   $A(6,3)$   $D(3,3)$

### 1) Translation (Create Your Own!):

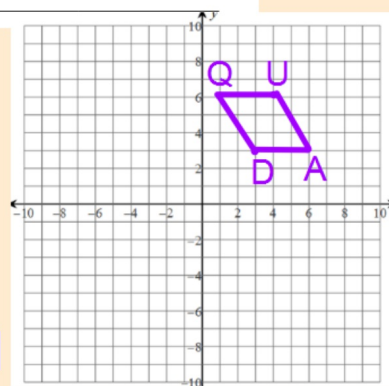
a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the image: \_\_\_\_\_

c) Write a translation vector \_\_\_\_\_

d) Write an ordered pair rule \_\_\_\_\_



Quadrilateral - Version 1

# Example

Coordinates of the object: P(2,-1) E(4,-4) N(2,7) T(-1,5) A(-1,-3)

## 1) Translation (Create Your Own!):

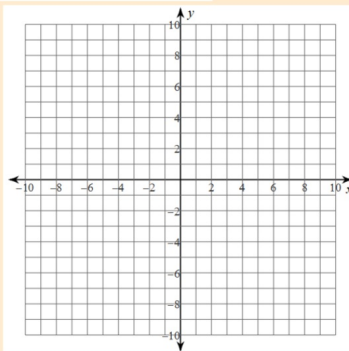
a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write a translation vector \_\_\_\_\_

d) Write an ordered pair rule \_\_\_\_\_



# Pentagon - Version 2

Redraw the original shape on the graph below.

Coordinates of the object:  $Q(1,6)$   $U(4,6)$   $A(6,3)$   $D(3,3)$

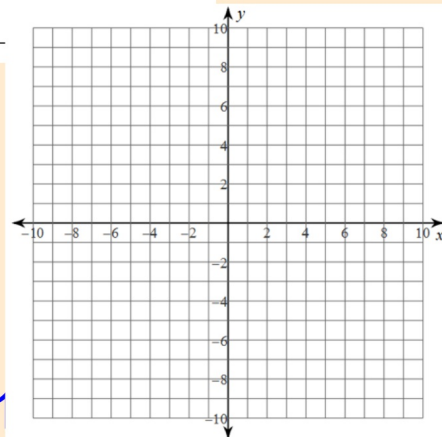
2) **Reflection (Create Your Own!):**

a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write an ordered pair rule \_\_\_\_\_



Quadrilateral - Version 1

Redraw the original shape on the graph below.

Coordinates of the object:  $P(2,-1)$   $E(4,-4)$   $N(2,-7)$   $T(-1,-5)$   $A(-1,-3)$

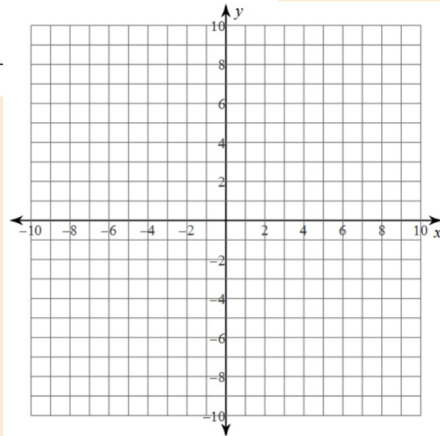
2) Reflection (Create Your Own!):

a) Description: \_\_\_\_\_, Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write an ordered pair rule \_\_\_\_\_



Pentagon - Version 2

## Example:

Redraw the original shape on the graph below.

Coordinates of the object:  $P(2,-1)$   $E(4,4)$   $N(2,7)$   $T(-1,5)$   $A(-1,3)$

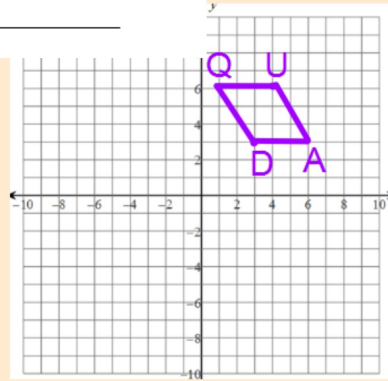
2) **Reflection (Create Your Own!):**

a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write an ordered pair rule \_\_\_\_\_



## Quadrilateral - Version 1

## Example:

Redraw the original shape on the graph below.

Coordinates of the object: P(2,-1) E(4,-4) N(2,-7) T(-1,-5) A(-1,-3)

2) **Reflection (Create Your Own!):**

a) Description: \_\_\_\_\_ . Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write an ordered pair rule \_\_\_\_\_

## Pentagon - Version 2

## Partner Quiz 4.2 Wednesday 1-17

### Expectations:

- 1) Both partner names on both quizzes.
- 2) Each pair turns in 2 completed quizzes.  
(Each student must contribute and use their own handwriting to complete their quiz.)
- 2) Pairs collaborate **ONLY** within the pair.
- 3) Staple both quizzes, turn in.
- 4) Teacher will roll die to determine which quiz will be assessed.





Exercises...  $(x,y) \rightarrow ( \quad )$

## Transformation Task #4

Create your own object, &  
perform your own  
transformations on the object

**PRACTICE ASSESSMENT** – Task #4`

MYP Criterion C: Communicating Transformations

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

**Transformation task:** Create an object to translate & reflect however you'd like  
(show your understanding of transformations).

Graph your shape  
(Create your Own!).

Coordinates of the **object**:

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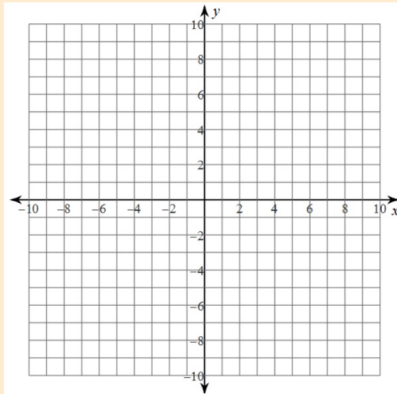
**PRACTICE ASSESSMENT** – Task #4`  
MYP Criterion C: Communicating Transformations

Name \_\_\_\_\_  
Date \_\_\_\_\_ Period \_\_\_\_\_

**Transformation task:** Create an object to translate & reflect however you'd like  
(show your understanding of transformations).

**Graph your shape**  
(Create your Own!).

Coordinates of the **object:**



1) **Translation (Create Your Own!):**

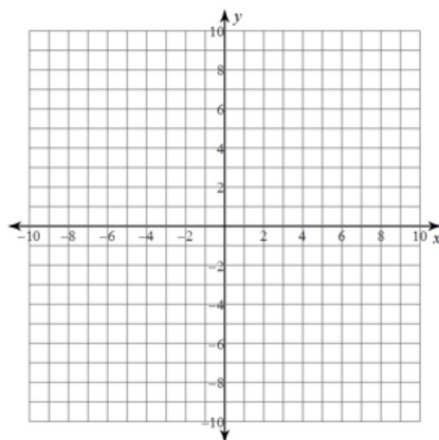
a) Description: \_\_\_\_\_, Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write a translation vector \_\_\_\_\_

d) Write an ordered pair rule \_\_\_\_\_



2) **Reflection (Create Your Own!):**

a) Description: \_\_\_\_\_, Transform the object.

b) List the coordinates of the image.

Coordinates of the image:

c) Write an ordered pair rule \_\_\_\_\_

