Bright Futures Academy
Middle School Math Remote Learning Assignments/Expectations
Dennard
**It is very important that you utilize Jupiter Ed and Class Dojo to communicate any concerns. I will
be using Class Dojo for incentives to keep the students motivated and engaged:)**

1. **I-Ready** - 45-90 minutes each week. Work on Teacher Assigned Lessons. If you
    complete those lessons then work on your Pathway Assignments determined by your
    Diagnostic. Parents, reach out to me about your child's diagnostic results.
2. **Khan Academy** - At least 60 minutes each day. Assignments are listed in order. Make
    sure the practice lessons are completed. If you complete the assigned lessons, then
    work on the Grade Level Course Mastery Program. **ATTENDANCE/ EXIT TICKET**
3. **IXL.COM (optional)**- At least 60 minutes per week. Students can select the lessons they
    would like to work on. I have made recommendations. Check Jupiter Ed or Class Dojo
    for your username and password.

**It is my recommendation that each student keep a journal/notebook for ALL
online lessons:)**

4. **Class Dojo** - Each Grade Level will receive 1 Portfolio Assignment each week to
    respond to. It may involve MathAntics, AnthonyMashUp, Khan Academy, or Math Is Fun
    activities. It may also include work from the assigned packets.
5. **Jupiter Ed** - Each Grade Level will receive 1 Forum Assignment to respond to. It will
    include a video to watch and respond to.
6. **Quizizz** - I will be online with quizizz.com @ 1 pm.
    a. Tuesdays - 6th Grade
    b. Wednesdays - 7th Grade
    c. Thursdays - 8th Grade
7. **Kahoot** - I will assign 1 Kahoot Activity each week. I will send the link. Log in to
    kahoot.com and use the code. It will be due by Friday
8. **Flocabulary** - I will assign 1 unit each week. Make sure you join the class.

Packets will be available online @ https://www.brightfuturesacademy.com/
Scan and email to: kellie.dennard@brightfuturesacademy.com

Grade Level Packets:
6th Grade - Week 3&4- Fraction Review.
7th Grade - Week 3&4 - Expressions and Equations Review.
8th Grade - Week 3&4 - Transformations Review.
***There is a Khan Academy Notes and Practice Question Page for students to use with one of their
Khan Academy Lessons.**
*There is an I-Ready Log for students to keep track of their I-Ready Lessons.
*7th and 8th Grade have a Vocabulary Form. Pick 6 words from the Vocabulary Worksheet.

Diagnostic Test

Add.

1. $4 + (-7)$

2. $-9 + 2$

3. $-5 + 3$

4. $8 + (-4)$

5. $-1 + (-9)$

6. $0 + (-6)$

7. $-7 + 4$

8. $2 + (-1)$

9. $3 + (-3)$

10. $-1 + (-1)$

11. Graph triangle XYZ with vertices $X(-3, 0)$ and $Y(3, 0)$ and a height of 6 units. Write the coordinates of the missing vertices.

12. Graph square $ABCD$ with vertices $A(0, 0)$ and $B(3, 0)$ and side lengths of 3 units. Write the coordinates of the missing vertices.

13. Graph square $EFGH$ with vertices $E(0, 2)$ and $F(2, 2)$ and side length 2 units. Find the missing vertices if one of the vertices is at the origin.

1. _____

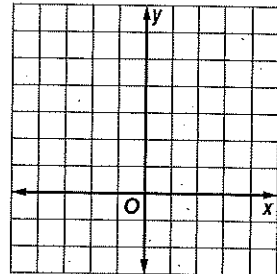2. _____

3. _____

4. _____

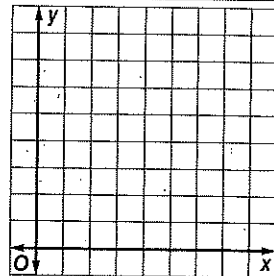5. _____

6. _____

7. _____
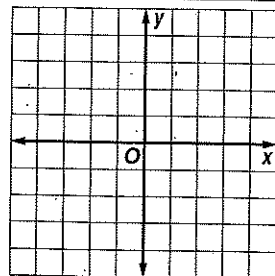
8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

Pretest

For Exercises 1 and 2, rectangle *PQRS* has coordinates *P*(2, 4), *Q*(6, 4), *R*(6, 6), and *S*(2, 6). Find the following vertices after a translation of 2 units right and 3 units up.
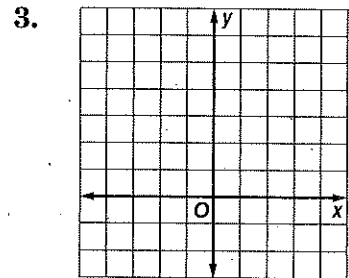
1. *P'*

2. *Q'*

1. _____

2. _____

For Exercises 3–5, quadrilateral *ABCD* has coordinates *A*(0, 1), *B*(3, 2), *C*(3, 4), and *D*(1, 5).

3. Graph the image of *ABCD* after a reflection over the *y*-axis on a coordinate grid. Label it *A'B'C'D'*.

3.

Find the following vertices after a reflection of *ABCD* over the *y*-axis.

4. *A'*

5. *B'*

4. _____

5. _____

6. **GEOMETRY** Mikhail drew parallelogram *HIJK* with coordinates *H*(1, 0), *I*(4, 0), *J*(2, 1), and *K*(−1, 1) on a coordinate plane. Find the coordinates of the image after Mikhail rotated it clockwise 180° about the origin.

6. _____

7. Quadrilateral *ABCD* has vertices *A*(−3, 1), *B*(2, 2), *C*(2, 4), and *D*(−3, 3). Graph the image after the given transformation. Then give the coordinates of the vertices for quadrilateral *A'B'C'D'* after a dilation with a scale factor of $\frac{1}{2}$.

7.
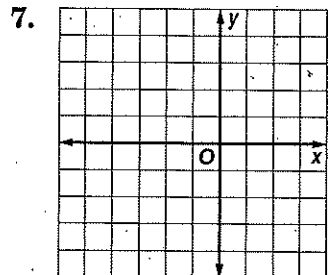
Vocabulary Test

center of dilation	dilation	preimage	rotational symmetry
center of rotation	image	reflection	translation
congruent	line of reflection	rotation	transformation

Choose the correct term or phrase to complete each sentence.

1. A (transformation, translation) maps one figure onto another.

   1. _____

2. The original figure before a transformation is called a(n) (image, preimage).

   2. _____

3. The fixed point around which shapes more in a circular motion is the center of (dilation, rotation).

   3. _____

4. The figure after a transformation is called an (image, preimage).

   4. _____

5. When a mirror image is produced by flipping a figure over a line, it is a (reflection, rotation).

   5. _____

6. A (dilation, reflection) is the image produced when a figure is enlarged or reduced.

   6. _____

7. Figures that have the same size and shape are (congruent, similar) figures.

   7. _____

8. When a figure is moved without turning it, it is called a (rotation, translation).

   8. _____

Khan Academy Notes   Unit_____ .   Name_____

Date_____

Topic_____

Questions you may have???????????????????

Khan Academy

Practice Questions. Write the question and your answer 🙂

Vocabulary Test WS

Definition	Characteristics
Examples	Non-Examples

Definition	Characteristics
Examples	Non-Examples

Definition	Characteristics
Examples	Non-Examples

Definition	Characteristics
Examples	Non-Examples

Definition	Characteristics
Examples	Non-Examples

Definition	Characteristics
Examples	Non-Examples

My Weekly *i-Ready* Online Instruction Progress

i-Ready

Name: _____

Date Range: _____ to _____

Subject:
(click one to select):

⭕ Reading   ⭕ Math
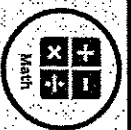
Directions: From your *i-Ready* student dashboard, click on the My Progress button in the top right corner of the page. Review your My Progress page and use that information to track your progress below.

Lesson Name	Date	Score	Passed/ Not Passed	One thing I learned in this lesson...	Questions I have on this lesson... (if no questions leave this blank)

My time on task was _____ minutes

I passed _____ out of _____ lessons.

One thing I need to keep in mind for next week _____

Family Signature (optional) _____

i-Ready