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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:)

- 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.
- 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
- 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 @ <a href="https://www.brightfuturesacademy.com/">https://www.brightfuturesacademy.com/</a></a>
Scan and email to: <a href="https://www.brightfuturesacademy.com/">https://www.brightfuturesacademy.com/</a>

### **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. 
$$3 + (-3)$$

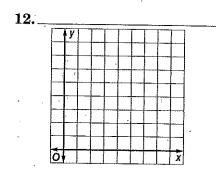
10. 
$$-1 + (-1)$$

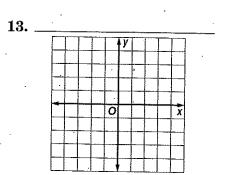
11. Graph triangle XYZ with vertices X(-3, 0) and Y(3, 0) and a height of 6 units. Write the coordinates of the missing vertices.

**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.







### **Pretest**

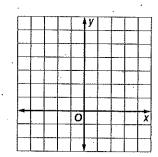
For Exercises 1 and 2, rectangle PQRS has coordinates P(2, 4), Q(6, 4), R(6, 6), and S(2, 6). Find the following vertices after a translation of 2 units right and 3 units up.

- 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'*.

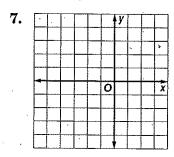


3.

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  $\frac{1}{2}$ .



## **Vocabulary Test**

SCORE \_\_\_\_

center of dilationdilationpreimagerotational symmetrycenter of rotationimagereflectiontranslationcongruentline of reflectionrotationtransformation

# 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		**************************************
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