

Online Learning Lessons for 8th Grade

Directions: Please complete the following work below for each subject. This work will count toward your final grade and must be complete to get credit for attendance.

Student Name _____ FOR _____ **Thursday, April 9th** _____

ELA - Toberman

Finish Assignments for Chapters 1-10 of *Gathering Blue*. If completed choose an article from the NewsELA Coronavirus Text Set 1 posted on Classroom. (Optional Extra Credit: Daily Journal Project)

Parent Initials: _____

ELA - Grahonya

Students will be reading Chapter 3 in *A Wrinkle in Time* and completing the vocabulary, comprehension, and constructed response assignments. See **Grahonya English Google Classroom** for further information and a link to an audio copy of the book. Students may submit this assignment via google classroom or turn it in upon return to school. This assignment will be due April 15th.

Parent Initials: _____

Math

Please finish completing the Pythagorean Theorem Review Project, Solving Equations Review Project, and Transformations Review Project. See **Math Google Classroom** for projects.

Parent Initials: _____

Science - Hebert

Continue working on Habitat it's a Seller's Market Project

Parent Initials: _____

Science - Grahonya

After reading the article *Butterfly Article*. Students will highlight 5 of the most important facts in the article. The students will highlight each fact a different color. See **Grahonya Science Google Classroom** for further information. Students may submit this assignment via google classroom or turn it in upon return to school.

Parent Initials: _____

History/Social Studies - Hebert

MLK Biography worksheet

Parent Initials: _____

History/Social Studies - Grahonya

After reading the article *Cold War: An Age of Two Global Economies*. Students will highlight 5 of the most important facts in the article. The students will highlight each fact a different color. See **Grahonya History Google Classroom** for further information. Students may submit this assignment via google classroom or turn it in upon return to school.

Parent Initials: _____

Parent Signature: _____

If you have questions, please email your teacher.

Thank you!

Mrs. Russell krussell@mcusd1.net

Mrs. Hebert khebert@mcusd1.net

Mr. Toberman btoberman@mcusd1.net

Mr. Grahonya jgrahonya@mcusd1.net

Teacher Hours:
9:00 am - 11:30 am
12:30 pm - 2:30 pm

Gathering Blue E-Learning Literature Circle

Use this template to complete your Chapter Annotations and Summaries for Gathering Blue. For each chapter you will complete a separate copy of this template. Submit your completed template FOR EACH CHAPTER on Google Classroom, or hold on to your templates to be submitted upon returning to school.

Name _____ Chapter _____

Chapter Annotations:

1.

2.

3.

4.

5.

(You may do extra annotations for extra credit)

Name: _____

Block: _____

Date: _____

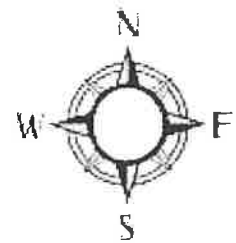
Geometry Project

Fencing Your Property

You want to put a fence around your large yard. There are two companies that you have found to do the work. They have each given you a quote for how much the work will cost. Of course, you want to find out which company will be the cheapest.

The boundary of your yard is determined by five trees. The lines connecting them form the edge of your property. Shown below are the descriptions for the positions of the trees relative to your house.

TREE	Position (relative to your house)
1	100 ft. east
2	40 ft east, 80 ft south
3	40 ft west, 120 ft south
4	90 ft west, 60 ft north
5	20 ft east, 110 ft north



**You may use a calculator on this assignment but must show your work.*

Step 1: Use Pythagorean Theorem to find the length of each side. Round your answer to the nearest whole number if necessary. One is done for you as an example on how to complete the rest.

Step 2: Determine the perimeter of your property by adding up all the sides.

Step 3: Use the sheet attached to determine which company will complete the job for the least amount of money.

Name: _____ Block: _____ Date: _____

Break your property into smaller parts and use the Pythagorean Theorem to find the length of each side. Remember that each grid line on your graph represents 10 feet. ;'

Show your work below. ↓

<p>Work for the distance from Tree 1 to Tree 2</p> <p>Distance: _____ ft</p>	<p>Work for the distance from Tree 2 to Tree 3</p> $a^2 + b^2 = c^2$ $40^2 + 80^2 = c^2$ $1600 + 6400 = c^2$ $8000 = c^2$ $90 \approx c$ <p>Distance: _____ ft</p>
<p>Work for the distance from Tree 3 to Tree 4</p> <p>Distance: _____ ft</p>	<p>Work for the distance from Tree 4 to Tree 5</p> <p>Distance: _____ ft</p>
<p>Work for the distance from Tree 5 to Tree 1</p> <p>Distance: _____ ft</p>	<p>Work for the Perimeter of Your Property</p> <p>Perimeter: _____ ft</p>

*Note
 $\sqrt{8000} \approx 90$
 Use $\sqrt{2n}$ $\sqrt{x^2}$

- Company 1 charges \$12 per foot of fence. Find the cost if Company 1 completes the job. Show work!

Cost: \$ _____

- Company 2 charges \$4600 for the first 550 feet of fence and \$29 for each additional foot. Find the cost if Company 2 completes the job. Show work!

Cost: \$ _____

• Which company will complete the job for the least amount of money?

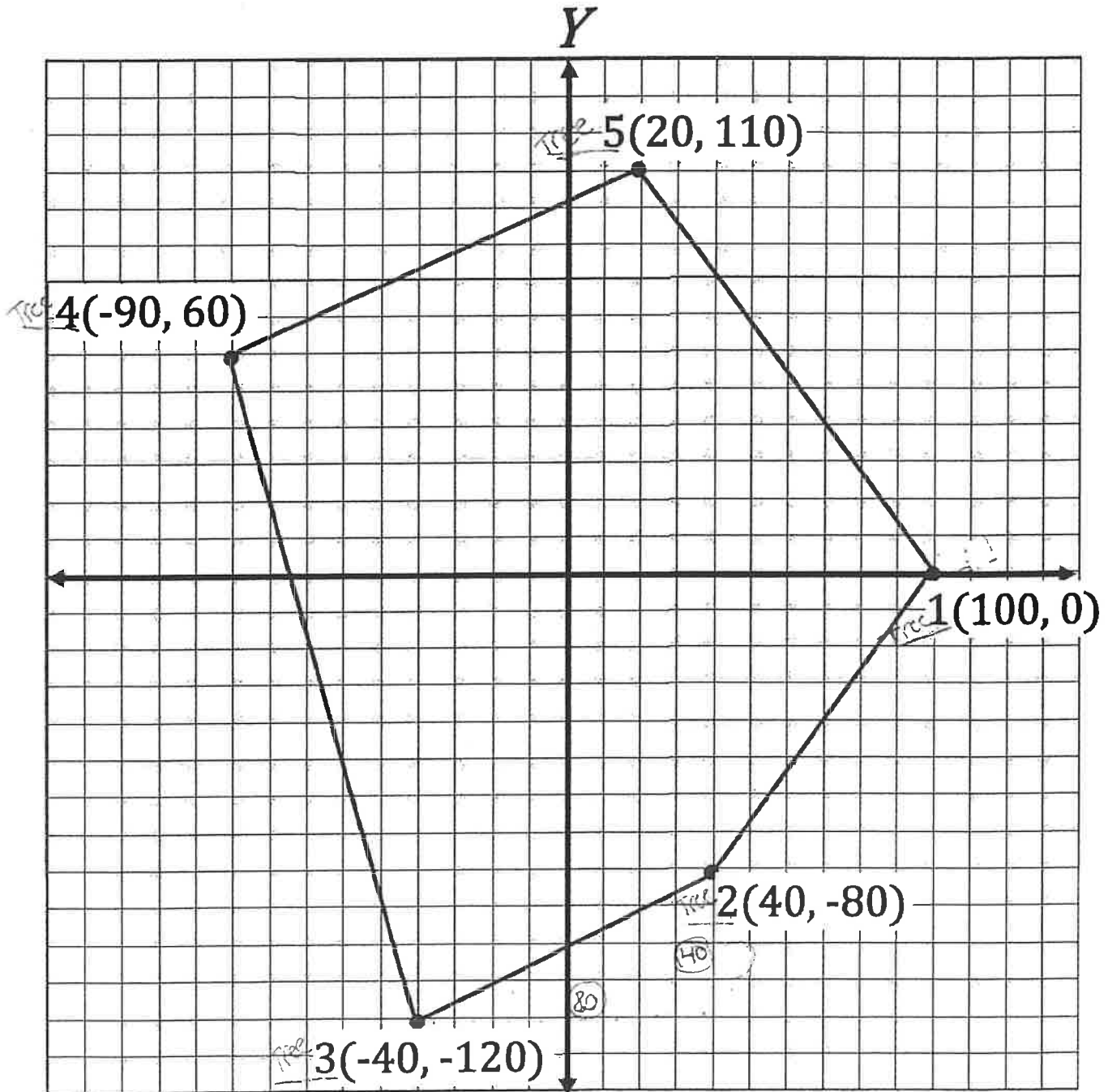
Name: _____

Block: _____

Date: _____

Graph of Your Property Lines

Plot the points that represent the trees that mark the edges of your property. Use the locations given on the previous page. To make things easier, use the origin (0, 0) as the position of your house. Remember that each grid represents 10 feet. Finally, connect the points using a straightedge.



Name _____

Date _____

Class _____

Directions: Locate and paste the jigsaw puzzle piece containing the correct answer for each problem below.

$-4x - 4 - 4x = 12$	$-5 + 5x = -(1 - 6x)$	$-7(x + 5) = -84$	$7(-8 + x) = 9 - 6x$
$-88 = 8(x - 3)$	$-(5x + 6) = x - 12$	$7(2x - 7) = 7(x + 1)$	$-2(7x - 5) = 6(7 - 2x)$
$3(1 - x) = -4(x - 5) - 6$	$-8 - 7x + 5 = 4$	$2(7 + 4x) + 3(3x - 1) = 11$	$x - 3 = 5x - 12 - x$

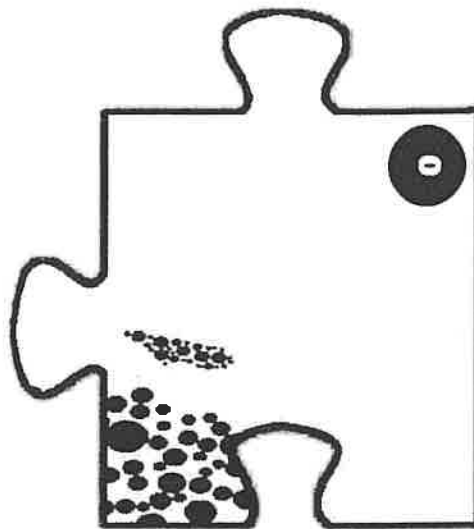
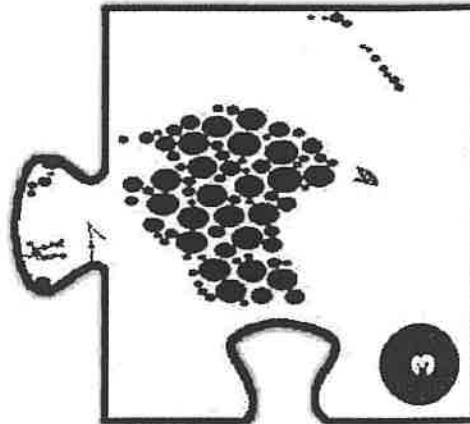
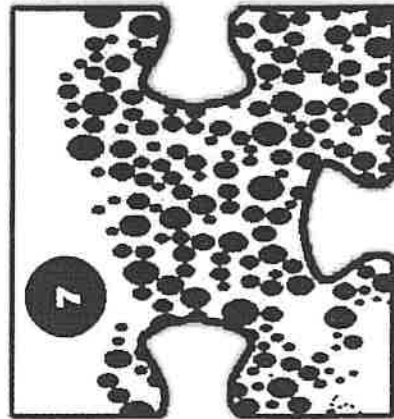
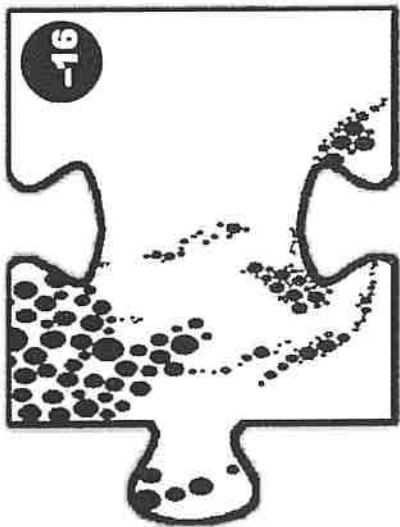
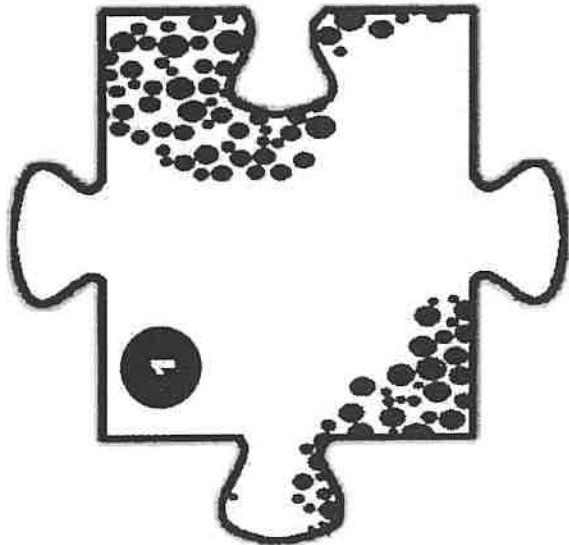
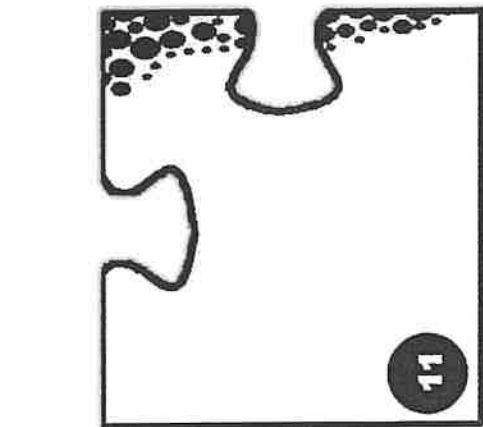
* you must attach a copy of your work to your puzzle for credit.

Name _____

Date _____

Class _____

CUT ALL THESE JIGSAW PUZZLE PIECES OUT.

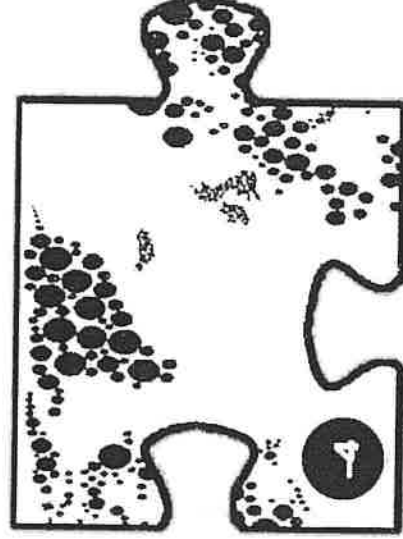
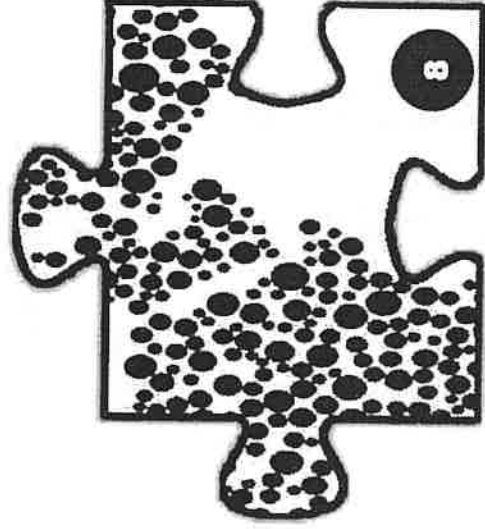
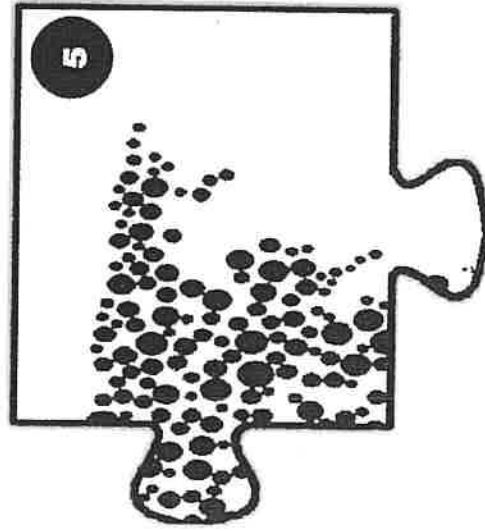
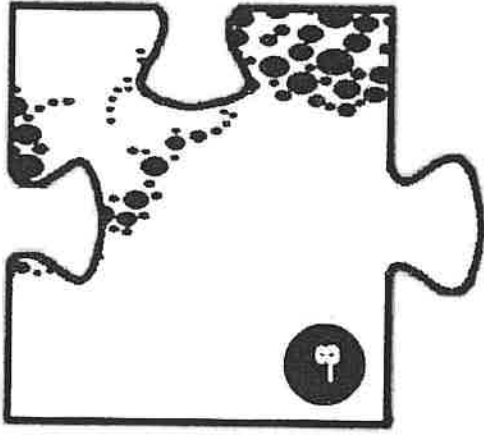
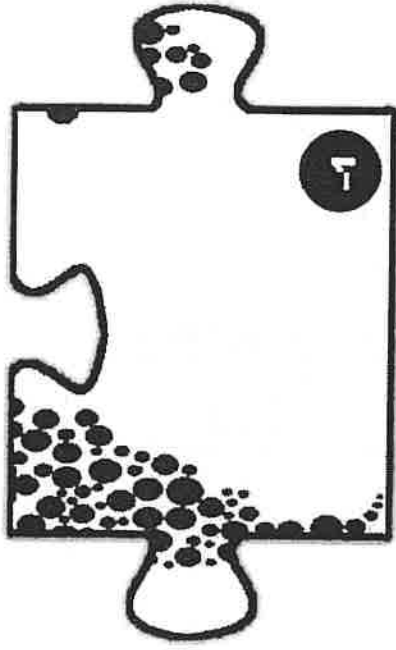
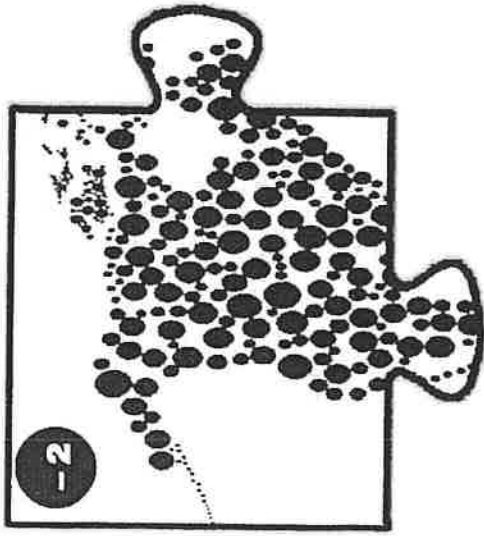


Name _____

Date _____

Class _____

CUT ALL THESE JIGSAW PUZZLE PIECES OUT.



Transformation Project

Objective: Students practice translations, reflections, rotations and dilations to make a miniature project.

Directions: Follow each step closely. When asked to do a Transformation, you are always transforming the polygon from the previous step. Ex: In Step 7, you are transforming the polygon that you made in Step 6. Label each polygon (according to Step) to match the corresponding step number.

Step 1: Plot A (- 11 , 16) , B (- 7 , 16) , C (- 10 , 13) and D (- 8 , 13) in the coordinate plane and label each point.

Step 2: Reflect ABCD over they Y-axis.

Step 3: Translate ABCD left 3 and down 6.

Step 4: Rotate ABCD 90° counter-clockwise about the origin.

Step 5: Reflect ABCD over the x-axis.

Step 6: Translate ABCD right 4 and up 10.

Step 7: Rotate ABCD 180° clockwise about the origin.

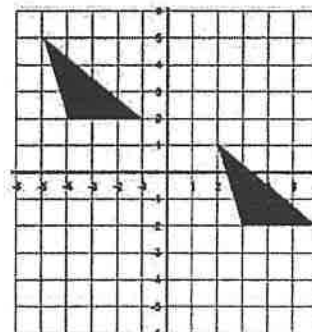
Step 8: Dilate ABCD using a scale-factor of 2.

Step 9: Translate ABCD left 12 and down 4.

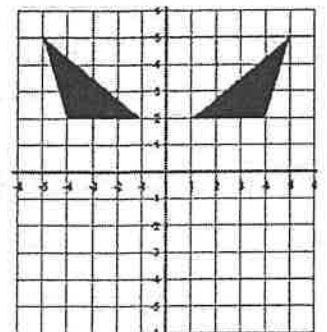
Step 10: Dilate ABCD using a scale factor of $\frac{1}{2}$.

Step 11: Rotate ABCD 180° clockwise about the origin.

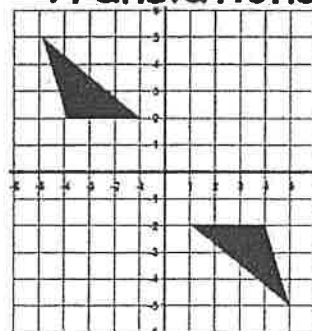
Step 12: Translate ABCD down 6.



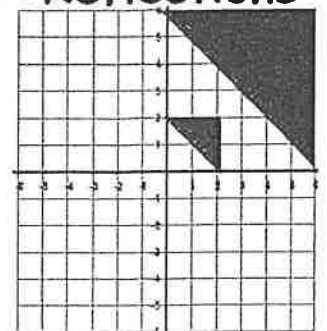
Translations



Reflections



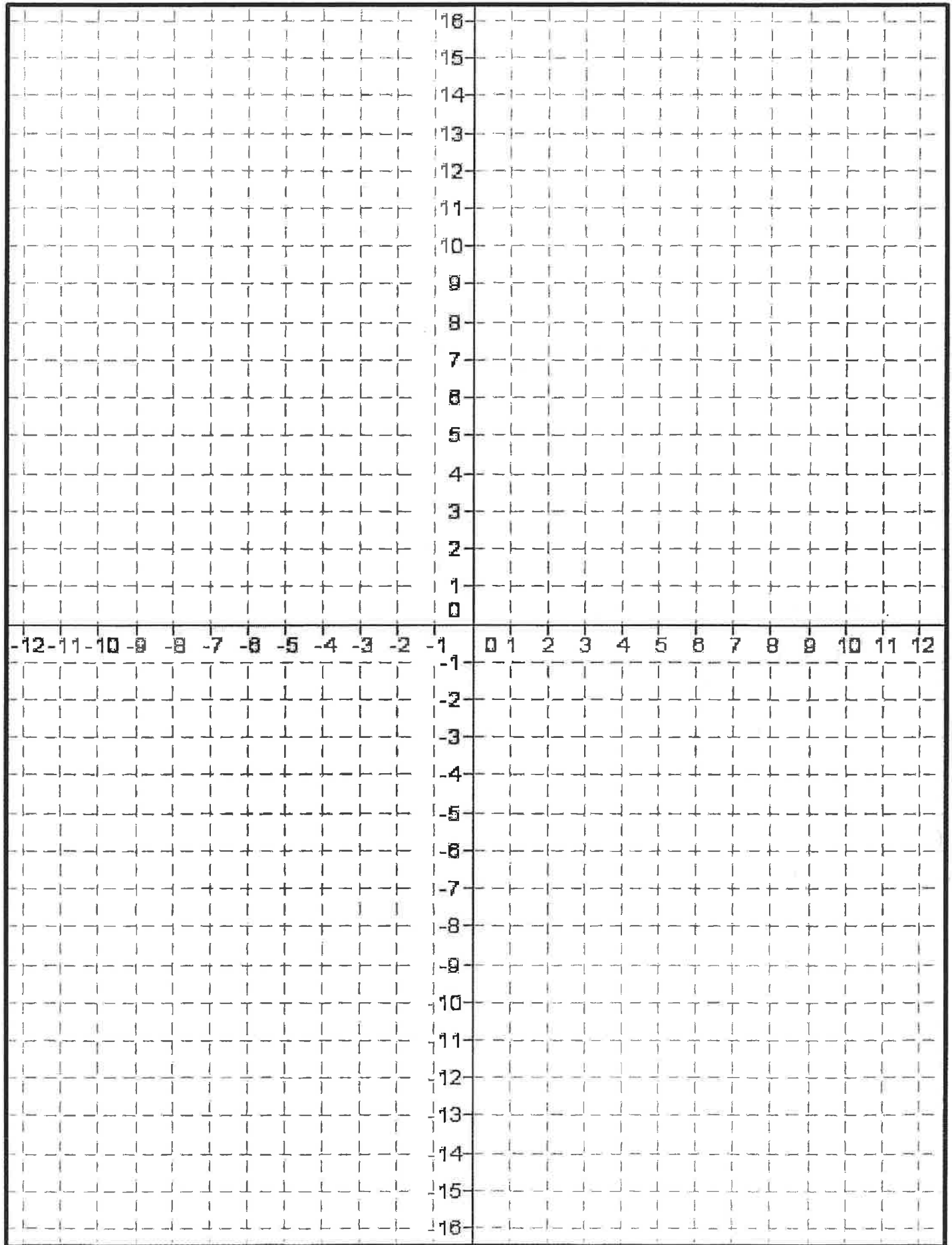
Rotations



Dilations

TRANSFORMATION PROJECT:

Name _____



Civil Rights Biography: Dr. Martin Luther King, Jr.

Name: _____



Every January, schools and many government offices close down to honor the birthday of Dr. Martin Luther King, Jr. Students appreciate Martin Luther King Day and many other holidays mostly because they give them a break from school. However, there is a deeper reason to be thankful on MLK Day. Let's look at King's inspirational character, his accomplishments, and the ways in which he improved our country and our lives.

Born on January 15, 1929, King was the third generation of men in his family to graduate with honor from Morehouse College. He distinguished himself for his academic and theological excellence at Crozer Theological Seminary in Pennsylvania, and then went on to earn his doctorate from Boston University. He met and married Coretta Scott in Boston, and together they raised two daughters and two sons. King became the pastor of a Baptist church in Montgomery, Alabama in 1954.

Upset by the unjust way African Americans were treated, King decided to become actively involved in fighting for their civil rights. He was an executive member of the National Association for the Advancement of Colored People, often known today by the initials: NAACP. When Rosa Parks was arrested in 1955 for refusing to give up her bus seat to a white passenger, King was asked to be the leader of a non-violent bus boycott that lasted 382 days. In spite of dangerous attacks on his church, his home, and his family, King never lost his faith or his determination. Though his home was bombed and he was arrested, he fearlessly led the fight. The boycott was successful, ending the separation of races on public transportation, and making the whole nation aware of the need for civil rights reform.

Elected as the president of the Southern Christian Leadership Conference, King used the peaceful methods of another important human rights activist, Mahatma Gandhi, combined with his own Christian faith, to promote equal rights for people of all races. He traveled around the country, giving over 2,500 speeches and writing articles and books. He organized opportunities for African Americans to register to vote.

Dr. King's most famous speech was in front of 250,000 people who gathered after a peaceful march on Washington, D.C. In his speech, King spoke of his dream that his descendants would one day live in a world where they would be judged by their accomplishments rather than by the color of their skin. His inspirational words are still some of the most quoted today. He met with Presidents John F. Kennedy and Lyndon B. Johnson. His work caused him to be arrested by some, and honored by others. When King was just 35 years old, he was awarded the Nobel Peace Prize. He donated the money earned from the prize right back into the fight for civil rights.

Had Dr. King been able to live out his full life, there is no doubt he would have continued to be a force of change for civil rights. Unfortunately, his life was cut short by an assassin's bullet. Dr. Martin Luther King, Jr. died on April 4, 1968 in Memphis, Tennessee, where he was preparing to lead another protest march for the rights of workers who were being treated unfairly. Each January, we celebrate his birthday in order to honor his dream, and remember all that he did to protect the rights of the people of the United States.

Think About It

1. Do you think the things that Dr. King was fighting for were important? Why, or why not?
2. Would it be fair if your teacher treated people in your classroom with brown eyes differently than people with blue eyes? Why, or why not?
3. People sometimes still do not get along because of their differences. Think of a time that someone was treated unfairly because of their race or culture. What should have been done differently?

