

Today's Homework

Brought to you by @TPSHomeworkBot — Wednesday, November 1, 2017

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6th Grade

Team 1:

- **Mr. Chevalier** Website not set up yet -- ask your teacher to set up "RSS".
- **Mr. Tucker**
Math Homework: math worksheet, divisibility challenge :Today we reviewed the concept of a fraction, 5-4.
- **Geography Homework: NA** :Today we identified the countries that make up Central and South America.
- **Ms. O'Brien** No post today.

Team 2:

- **Mrs. Gagnon** Website not set up yet -- ask your teacher to set up "RSS".
- **Mrs. Dick** No post today.
- **Mrs. Petroski-Lewis** No post today.

7th Grade

Seekers:

- **Math** Website not set up yet -- ask your teacher to set up "RSS".
- **Science** Website not set up yet -- ask your teacher to set up "RSS".
- **ELA** We will have Writer's Cafe sharing our October Journals with Team Wonders on Friday. I'll bring in some donuts or snacks - If you want to bring something in to share that would be great, let me know.

We'll finish Totems tomorrow and draft our presentations of symbols tomorrow.

- **Geography**
Today in class we filled out a Stone Age chart and started chapter 3 section 3 and 4 Reading Notes.

Link to Quizlet: https://quizlet.com/_3xqng6 **Ch. 3 Vocab Quiz date to be determined**

Homework: Finish ch. 3 section 3 and 4 Reading...

Wonders:

- **Math Purple & Blue (ST):**
p.76 #65, 66, Quiz #2-5, 6-14 evens
p.80-81 #1-7, 15-18, 40
Finish "Practice Quiz"
Study your notes!!!!
2.1-2.5 Quiz on Thursday
- **Red & Orange (ACC):**
p.207 1-5
p.211 #14,...
- **Science** No post today.
- **ELA** Welcome Back, Language All-Stars, from our surprise 4 day weekend! Today is an Early Release Day
AGENDA: 1.) Word Work Presentations 2.) Peer Editing your Publishable Journals (now due Friday, 11/3)
First check to make sure their story makes sense. If parts don't make sense to you, let them know...
- **Geography** HOMEWORK
 1. Locate Hominids on the Map
 2. Quiz on Friday

8th Grade

Red Rising Stars:

- **Math** No post today.
- **Science** No post today.
- **ELA** 8th grade Students will take the NWEA test (Nov 6th, 8th and 13th). Student



video! 3 times/ year (Nov, Feb, April) You will see questions you can't answer- it is designed to do this. tested in the class ... [Continue reading →](#)

- **Geography** OBJECTIVE: Mock Trial 1. Current Event Presentations 2. Return Chapter 5 tests 3. Mock Trial HOMEWORK: N/A

Silver Soaring Stars:

Name: Key
Transformations and Similar Figures Review Sheet

Triangles TUV and GFE are congruent.



1. Which angle of TUV corresponds to angle F? <U
2. Which angle of GFE corresponds to angle V? <G
3. Which side of TUV corresponds to side UV? TU

Math

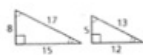
8. The vertices of a rectangle are A(2, 0), B(5, 0), C(5, -2), and D(2, -2). Reflect the rectangle in the y-axis, and then rotate the rectangle 180 degrees about the origin. What are the coordinates of the image?

Pre-Image	Reflect	Rotate
A(2,0)	A'(-2,0)	A''(2,0)
B(5,0)	B'(-5,0)	B''(5,0)
C(5,-2)	C'(-5,-2)	C''(5,-2)
D(2,-2)	D'(-2,-2)	D''(2,-2)

9. The vertices of a triangle are X(-3, 3), Y(-1, 3), and Z(-3, 0). Dilate the triangle with respect to the origin using a scale factor of 2. Then, translate the image 5 units right and 1 unit down. What are the coordinates of the image?

Pre-Image	Dilate	Translate (x,y) → (x+5, y-1)
X(-3,3)	X'(-6,6)	X''(-1,5)
Y(-1,3)	Y'(-2,6)	Y''(3,5)
Z(-3,0)	Z'(-6,0)	Z''(-1,-1)

11. Tell whether the two figures are similar. Explain your reasoning. Remember to explain whether or not the corresponding angles are congruent and whether or not the corresponding side lengths are proportional.



$$\frac{17}{13} \neq \frac{8}{12} \neq \frac{15}{15}$$

The two triangles are not similar because the corresponding side lengths are not proportional.

12. The two figures are similar. Find the ratios (small to large) of the perimeters and of the areas.

12.



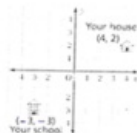
Perimeter Ratio: $\frac{3}{6}$
Area Ratio: $\frac{9}{36}$

13.



Perimeter Ratio: $\frac{6}{10}$
Area Ratio: $\frac{36}{100}$

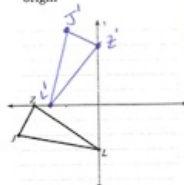
16. A map of your neighborhood is represented on the grid.



- a. Describe a translation of your walk from your school to your house. walk 4 units right and 2 units up
- b. The pizza parlor is a reflection in the y-axis of your school. What are the coordinates of the pizza parlor? (-4, 2)
- c. The transformation from your house to the park is a 90 degree clockwise rotation about the origin. What are the coordinates of the park? (2, -4)

Perform the following transformations on the coordinate planes.

4. Rotation 90 degrees clockwise about the origin
5. Reflection over the x-axis

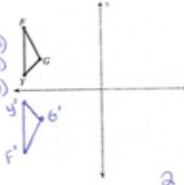


$$(x,y) \rightarrow (y,-x)$$

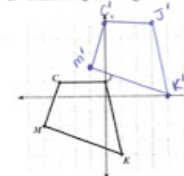
$$J(-5,2) \rightarrow J'(-2,-5)$$

$$K(-4,0) \rightarrow K'(0,-4)$$

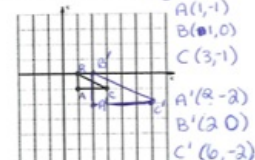
$$L(0,-3) \rightarrow L'(3,0)$$



6. Translate 3 units right and 4 units down

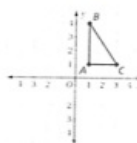


7. Dilate using a scale factor of 2



10. Rotate the triangle 90 degrees counter-clockwise about the origin. Find the coordinates of the image.

$$(x,y) \rightarrow (-y,x)$$



Pre-Image	Image
A(1,1)	A'(-1,1)
B(1,4)	B'(-4,1)
C(3,1)	C'(-1,3)

14. Figure A is a dilation of Figure B by a scale factor of 3. What is the scale factor of Figure B to Figure A.

A → B scale factor 3
B → A scale factor $\frac{1}{3}$

15. The ratio of the side length of Square A to the side length of Square B is 2:3. The perimeter of Square B is 45.

a. Find the perimeter of Square A. 30

$$\frac{A}{B} = \frac{x}{45} \quad 3x = 90 \quad x = 30$$

b. Find the side length of Square A. 7.5

$$\frac{\text{Per.}}{4} = \frac{30}{4} = 7.5$$

c. What is the area of Square A? 56.25

$$7.5 \cdot 7.5 = 56.25$$

- **Science** No post today.
- **ELA** No post today.
- **Geography**

Homework:

1.) Read Conclusion and Intro

- Page 85-87 in textbook
- NO NOTES necessary (this time!)

2.) Vocabulary

- Copy 6 vocabulary words into **notes** section
- Must be hand-written to receive credit!
- [Link to Vocabulary Terms - Quizlet](#)