

# Assignment Record Sheet

Math Core C

Full Name: \_\_\_\_\_ **Week: 11/18 - 11/22**

Unit Name: Stretching and Shrinking Periods: 3 & 5

Date Assigned	Focus Question??	Homework (IP=in packet)	Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
<b>Monday Nov. 18</b>	<i>How can you determine if two shapes are similar by looking at the rule for producing specific coordinates for the image?</i>	<b>WU:</b> Vocabulary (IP) <b>CW:</b> Prob. 2.1 A (IP); video launch <b>HW:</b> ACE #1 (IP)	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Tuesday Nov. 19</b>	<i>How can you determine if two shapes are similar by looking at the rule for producing specific coordinates for the image?</i>	<b>WU:</b> None <b>CW:</b> Math Skills Assessment – Day 1 <b>HW:</b> None	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Wed. Nov. 20</b>	<i>What types of coordinate rules produce similar figures?</i>	<b>WU:</b> Vocabulary (IP) <b>CW:</b> Prob. 2.2 A (IP) <b>HW:</b> ACE #3 (IP)	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Thursday Nov. 21</b>	<i>What types of coordinate rules produce similar figures?</i>	<b>WU:</b> None <b>CW:</b> Math Skills Assessment – Day 2 <b>HW:</b> None	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Friday Nov. 22</b>	<i>How can you decide whether or not two shapes are similar?</i>	<b>WU:</b> Video Launch <b>CW:</b> Prob. 2.3 A-B p.35 <b>HW:</b> None <b>Turn in your packet</b>	<b>WU:</b> <b>CW:</b> <b>HW:</b>		

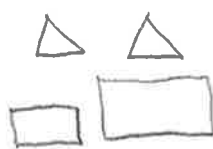
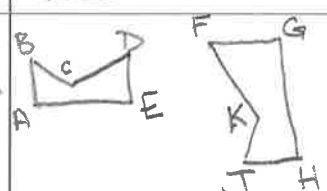
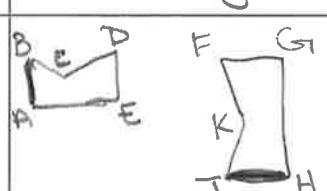

**Total Homework Score for the Week: \_\_\_\_\_/75**

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**Daily Materials Score \_\_\_\_\_/25**

# Stretching and Shrinking

Complete the vocabulary chart by filling in the missing information.

Term	Definition	Example
image	The image results from some transformation of a figure	
scale drawing	An image of a figure that is similar to the original.	
corresponding angles	Corresponding angles have the same relative position in similar figures.	
corresponding sides	Corresponding sides have the same relative position in similar figures. $\overline{AB}$ , $\overline{HJ}$	
similar		
scale factor	The number used to multiply the lengths of a figure to stretch or shrink it.	
midpoint	A point that divides a line segment into two segments of equal length.	

# Labsheet 2.1

## Coordinates of Game Characters

	Mug Wump	Zug	Lug	Bug	Glug
Rule	(x, y)	(2x, 2y)	(3x, y)	(3x, 3y)	(x, 3y)
Point	<b>Part 1</b>				
A	(0, 1)	(0, 2)			
B	(2, 1)	(4, 2)			
C	(2, 0)				
D	(3, 0)				
E	(3, 1)				
F	(5, 1)				
G	(5, 0)				
H	(6, 0)				
I	(6, 1)				
J	(8, 1)				
K	(6, 7)				
L	(2, 7)				
M	(0, 1)				
	<b>Part 2 (Start Over)</b>				
N	(2, 2)				
O	(6, 2)				
P	(6, 3)				
Q	(2, 3)				
R	(2, 2)				
	<b>Part 3 (Start Over)</b>				
S	(3, 4)				
T	(4, 5)				
U	(5, 4)				
V	(3, 4)				
	<b>Part 4 (Start Over)</b>				
W	(2, 5) (make a dot)				
X	(6, 5) (make a dot)				

Name .....

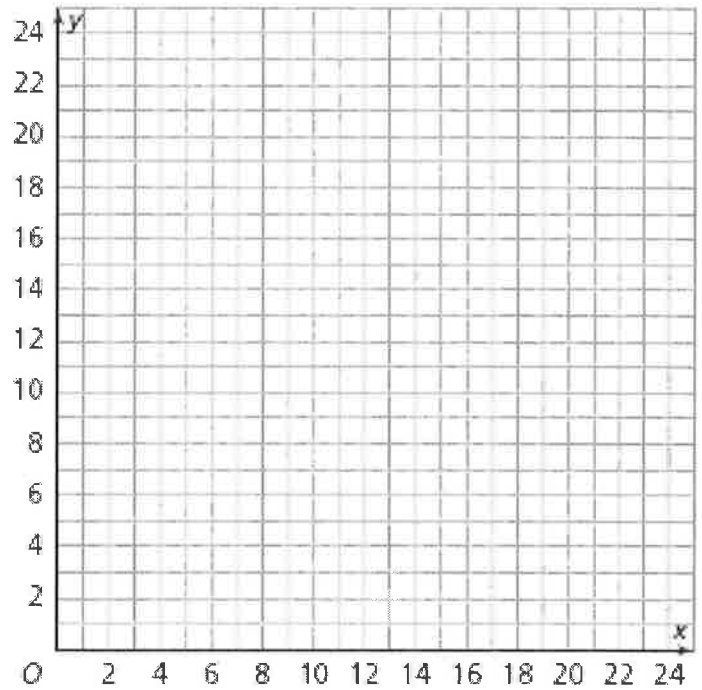
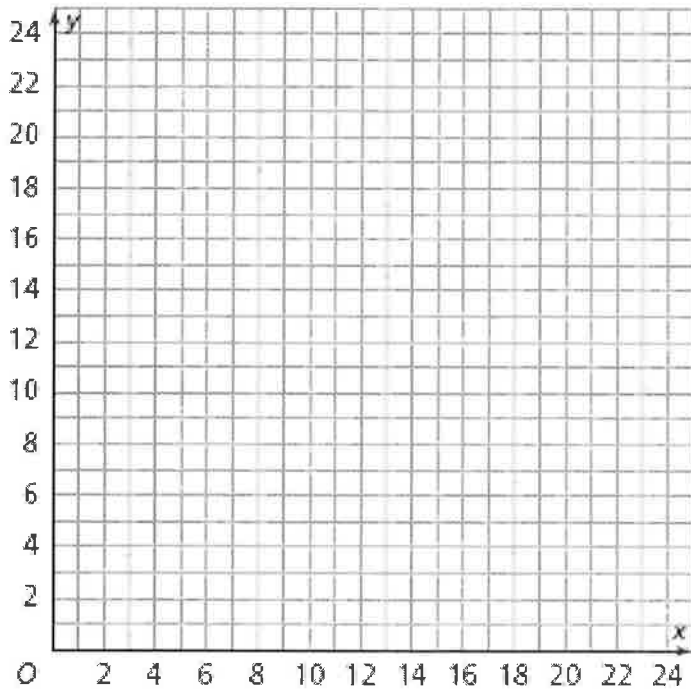
Date 11/18/19

Class Per. 385

**Labsheet 2ACE**

**Exercise 1**

	Mug Wump	Glum	Sum	Tum	Crum
Rule	$(x, y)$	$(1.5x, 1.5y)$	$(3x, 2y)$	$(4x, 4y)$	$(2x, y)$
Point	Mouth				
<i>M</i>	(2, 2)				
<i>N</i>	(6, 2)				
<i>O</i>	(6, 3)				
<i>P</i>	(2, 3)				
<i>Q</i>	(2, 2) (connect Q to M)				
	Nose (Start Over)				
<i>R</i>	(3, 4)				
<i>S</i>	(4, 5)				
<i>T</i>	(5, 4)				
<i>U</i>	(3, 4) (connect U to R)				



Name .....

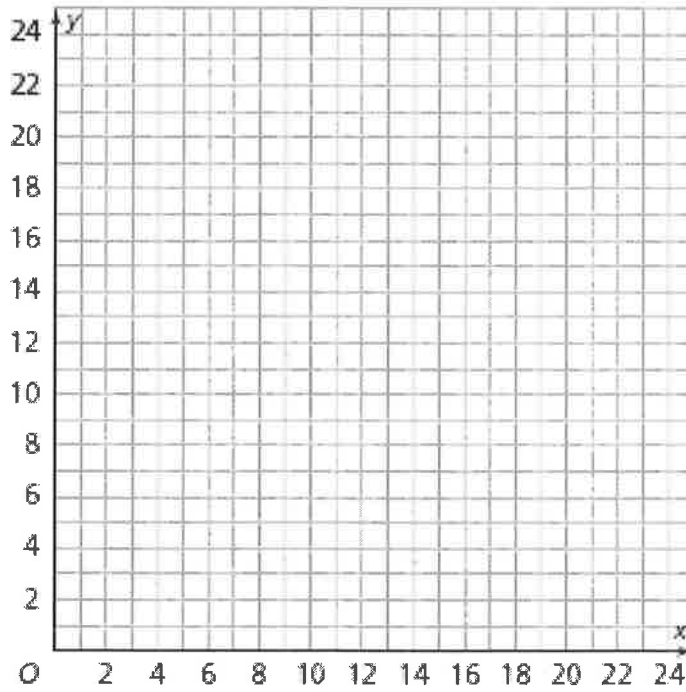
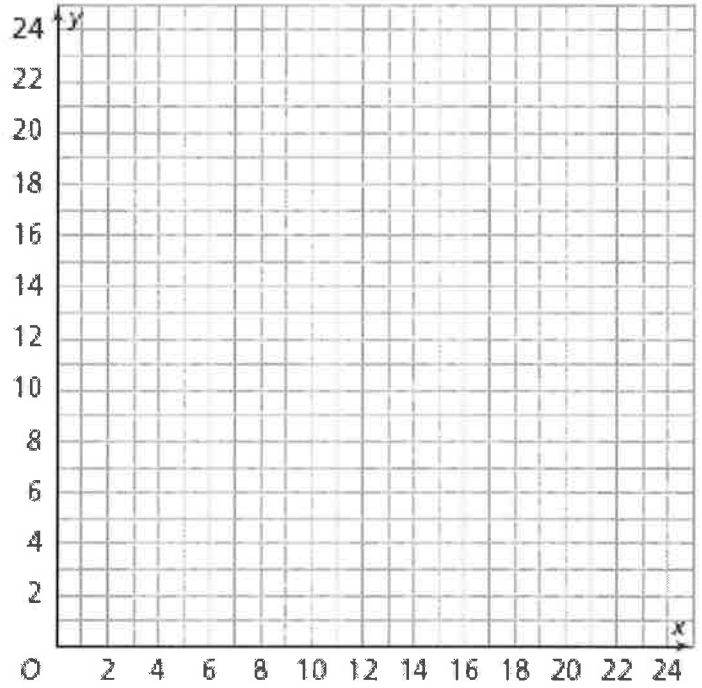
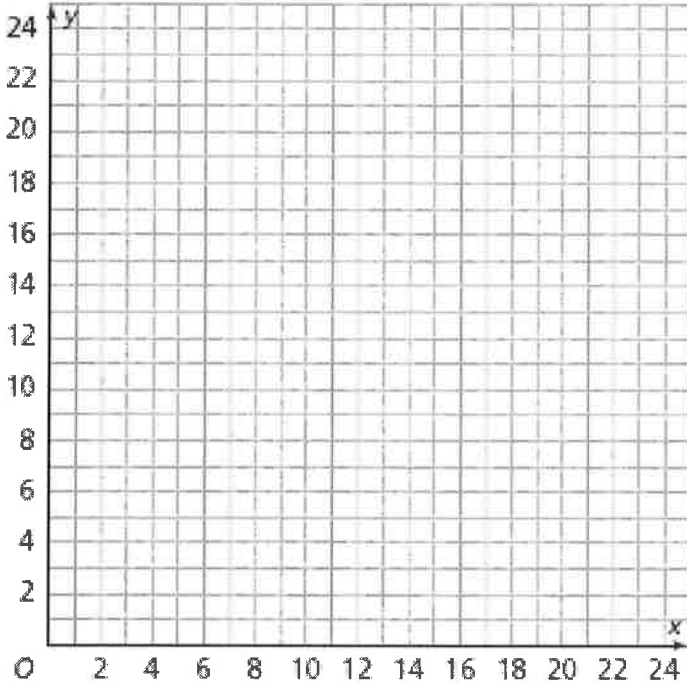
h/w

Date 11/18/19

Class Peri 3&5

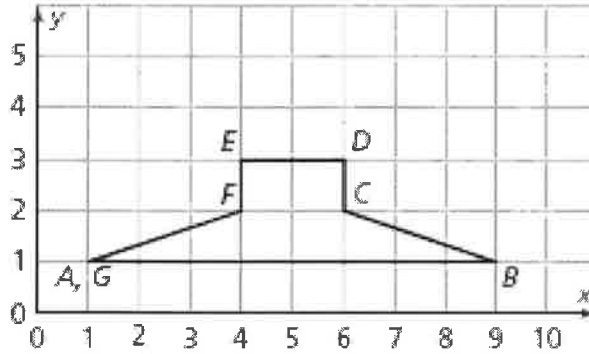
# Labsheet 2ACE

## Exercise 1

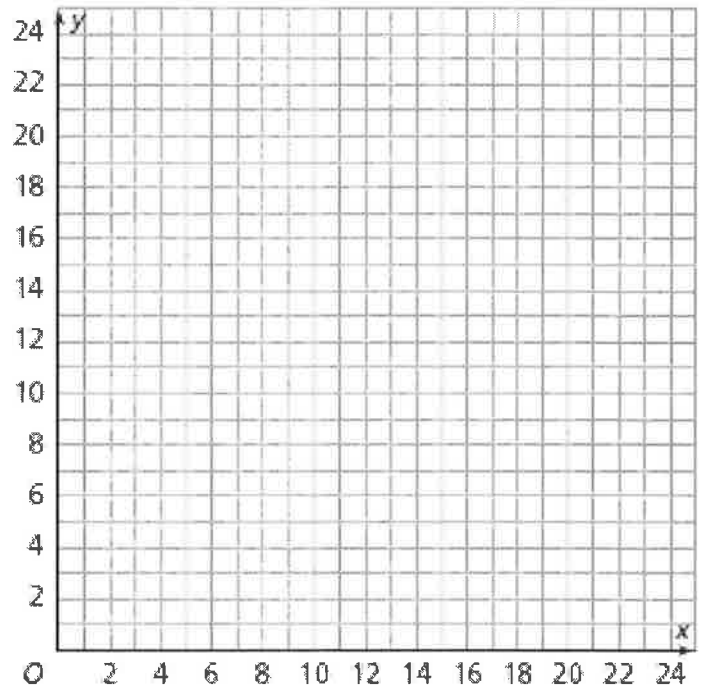
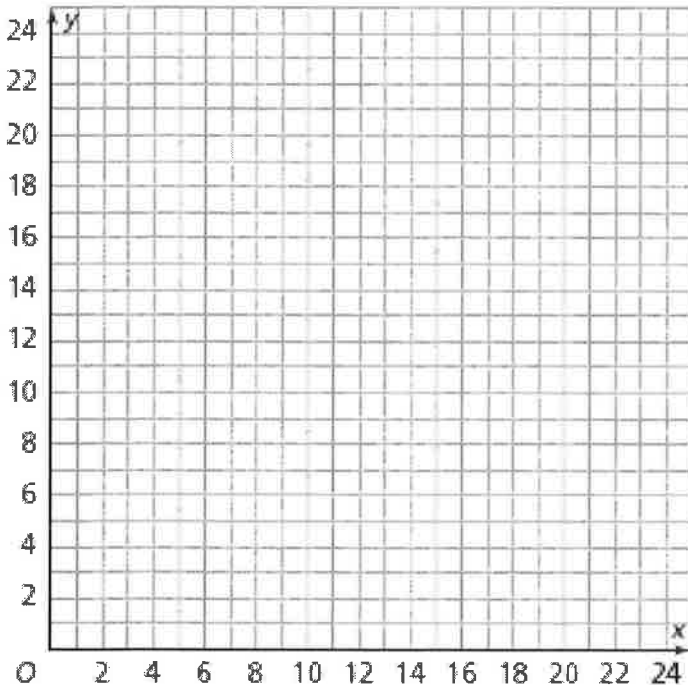


**Labsheet 2.2**

**Problem A Mug's Hat**



	Mug's Hat	Hat 1	Hat 2	Hat 3	Hat 4	Hat 5
Point	$(x, y)$	$(x + 2, y + 3)$	$(x - 1, y + 4)$	$(x + 2, 3y)$	$(0.5x, 0.5y)$	$(2x, 3y)$
A	(1, 1)					
B	(9, 1)					
C						
D						
E						
F						
G						





# Labsheet 2ACE

## Exercise 3

c. Apply the rule  $(2x, 0.5y)$  to the vertices of triangle  $ABC$  to get triangle  $FGH$ .

$$F( \quad , \quad )$$

$$G( \quad , \quad )$$

$$H( \quad , \quad )$$

Draw triangle  $FGH$  on the grid on the previous page.

Fill in the table. Then write statements that compare the corresponding measurements (side lengths, perimeter, area, angle measures) of the two triangles.

Triangle	Side Lengths	Perimeter	Area	Angle Measures
$ABC$				
$FGH$				

Statement 1:

Statement 2:

Statement 3:

d. Which triangle,  $PQR$  or  $FGH$ , seems **similar** to triangle  $ABC$ ?

Why?



Labsheet 2.3

Wump Mouths and Noses

(work will be completed in notebook)

