

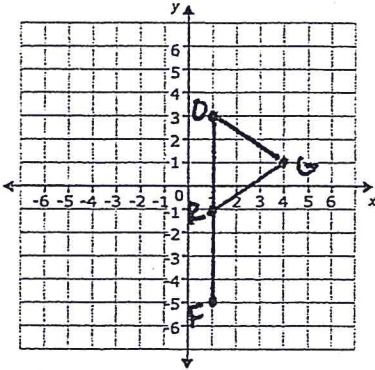
Transformation Review - Day 1

Name _____

Per _____ A# _____

Fill in all missing information:

①



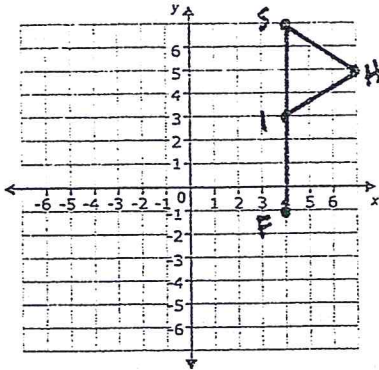
Written:
Slide FROG 4 units to the left and 1 unit down.

Algebraic:
 $(x, y) \rightarrow (x - 4, y - 1)$

Coordinates:

Original	Image
F <u>1, -5</u>	F' _____
R <u>1, -1</u>	R' _____
O <u>1, 3</u>	O' _____
G <u>4, 1</u>	G' _____

②



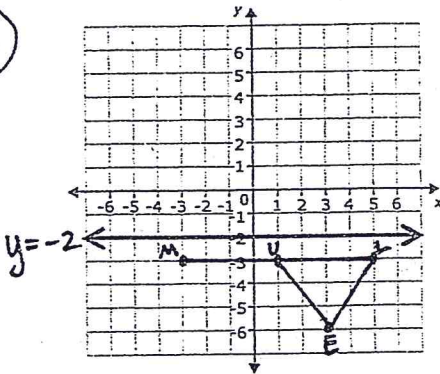
Written:
Slide FISH _____ to the _____ and _____.

Algebraic:
 $(x, y) \rightarrow (x - 4, y - 4)$

Coordinates:

Original	Image
F _____	F' _____
I _____	I' _____
S _____	S' _____
H _____	H' _____

③



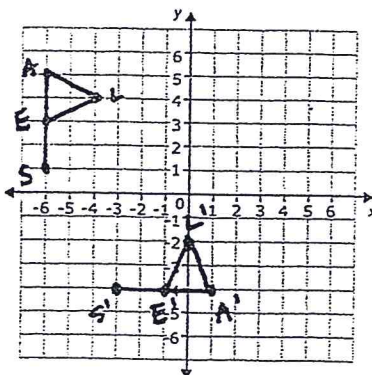
Written:
Reflect MULE over the line $y = -2$.

Algebraic:
 $(x, y) \rightarrow (_____, _____)$

Coordinates:

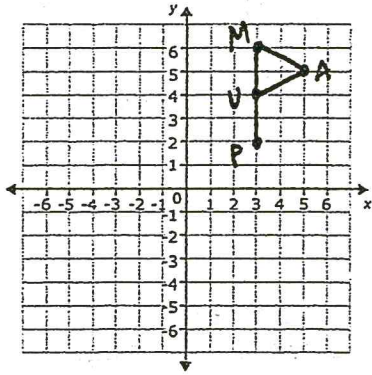
Original	Image
M _____	M' _____
U _____	U' _____
L _____	L' _____
E _____	E' _____

④



Describe how you could move SEAL to exactly match S'E'A'L' by using one translation, one reflection, and one rotation.

5



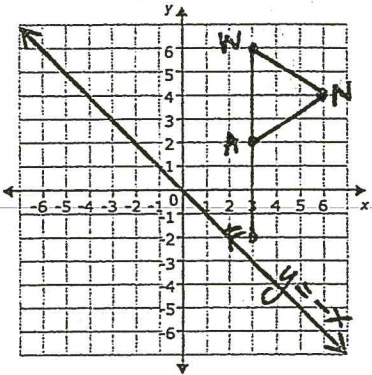
Written:
 Rotate PUMA 180° about
 the origin (0,0).

Algebraic:
 $(x, y) \rightarrow (\quad , \quad)$

Coordinates:

Original	Image
P _____	P' _____
U _____	U' _____
M _____	M' _____
A _____	A' _____

6



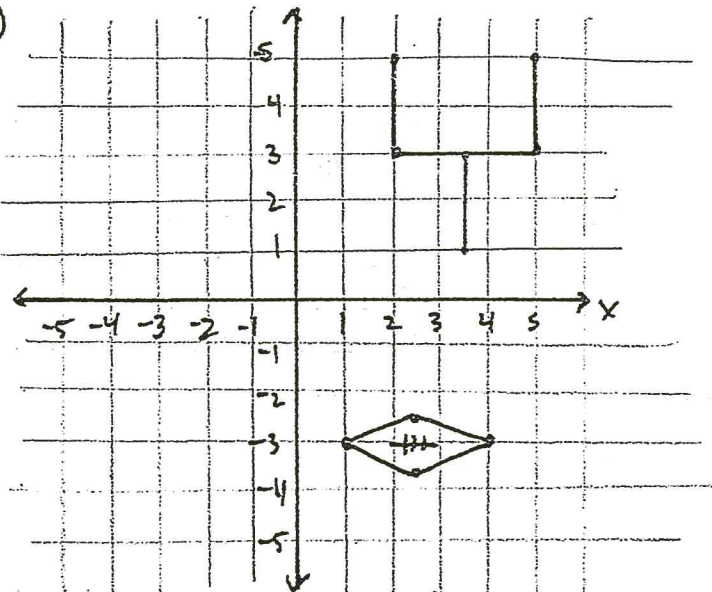
Written:
 Reflect FAWN over the line
 $y = -x$.

Algebraic:
 $(x, y) \rightarrow (\quad , \quad)$

Coordinates:

Original	Image
F _____	F' _____
A _____	A' _____
W _____	W' _____
N _____	N' _____

7



Put the football through the
 uprights with TWO moves.
RECORD:

8 Find the Area and
 Perimeter. Show work.
 Be organized.

