

GEOMETRY
REFLECTION/DILATION PROJECT (CH. 8)

Name: _____

Date: _____ Period: _____

GROUP MEMBERS: _____ (___ / 10)

PRE-IMAGE USED: **DEER** **ELEPHANT** **GIRAFFE** **OWL** **BUTTERFLY**

OBJECTIVE: CODE THE ROVERS TO REFLECT THE GIVEN PRE-IMAGE OVER A LINE OF REFLECTION. MAKE SURE TO CREATE YOUR LINE OF REFLECTION WITH THE ROVERS. MEASUREMENTS OF ANGLES AND SEGMENTS NEED TO BE PRECISE IN ORDER TO CREATE AN ACCURATE REFLECTION. EACH GROUP WILL BE RESPONSIBLE FOR TURNING IN THEIR CODING USED TO COMPLETE THE ACTIVITY. GRADES WILL BE BASED ON THE FOLLOWING CRITERIA...

	2	1	0	POINTS EARNED
INITIATION PHASE/SHORT RESPONSES	STUDENT HAD MEASUREMENTS OF PRE-IMAGE DONE PRIOR TO CODING. SHORT RESPONSES ARE THOROUGH, ARTICULATED, AND CORRECT.	STUDENT HAD SOME MEASUREMENTS OF PRE-IMAGE DONE PRIOR TO STARTING CODING. SHORT RESPONSES ARE BRIEF AND LACK ACCURATE INFORMATION.	STUDENT HAS NO MEASUREMENTS OF PRE-IMAGE DONE PRIOR TO CODING. SHORT RESPONSES ARE INCOMPLETE WITH INACCURATE INFORMATION.	
CODING	THE CODING USED TO REFLECT THE PRE-IMAGE IS PRECISE AND ACCURATE. THE IMAGE IS A TRUE REPRESENTATION OF A REFLECTION.	THE CODING USED TO REFLECT THE PRE-IMAGE IS DISTORTED DUE TO SMALL MINOR ERRORS IN CODING OR MEASUREMENTS.	THE CODING USED TO REFLECT THE PRE-IMAGE HAS MAJOR ERRORS RESULTING IN AN IMAGE THAT LOOKS NOTHING LIKE THE PRE-IMAGE.	
SIZE	A COMMON SCALE FACTOR DILATED THE IMAGE. ALL ANGLES PRESERVED MEASURE FROM PRE-IMAGE TO IMAGE.	THE IMAGE IS THE SAME SIZE AND SHAPE AS THE PRE-IMAGE. ALL ANGLES AND SEGMENTS ARE PRECISE AND ACCURATE.	THE MEASUREMENTS USED IN THE IMAGE ARE NOT ACCURATE OR PRECISE CAUSING THE IMAGE TO LOOK DISTORTED.	
PRESENTATION (FINAL ATTEMPT)	THE ROVER DEMONSTRATES THE REFLECTION WITH LITTLE TO NO ERRORS (1-2).	THE ROVER DEMONSTRATES THE REFLECTION WITH A FEW ERRORS (3-5).	THE ROVER DEMONSTRATES THE REFLECTION BUT HAS MAJOR ERRORS (OVER 5).	
PARTICIPATION	ALL GROUP MEMBERS ARE ACTIVELY INVOLVED IN ALL PARTS OF THE PROJECT.	GROUP MEMBERS ARE INVOLVED IN THE PROJECT, BUT NEEDED REMINDERS TO STAY ENGAGED AND ON TASK. WORK IS NOT DIVIDED EVENLY BETWEEN GROUP MEMBERS.	GROUPS MEMBERS STRUGGLE TO WORK TOGETHER AND THE SAME PEOPLE KEEP DOING ALL THE WORK.	

WHAT IS A DILATION?

WHAT IS A SCALE FACTOR? HOW WOULD YOU CALCULATE IT?

DID YOU DILATE THE IMAGE? IF SO, THEN WHAT SCALE FACTOR DID YOU USE?

WHAT OTHER GEOMETRY TERM (NOT LEARNED YET, BUT WILL EVENTUALLY) CAN DESCRIBE THE PRE-IMAGE TO IMAGE RELATIONSHIP? WHAT DOES IT MEAN?

WHAT WAS YOUR PROCESS THROUGH TROUBLE SHOOTING?

WHAT WERE YOUR INTIAL SUCCESSES?

WHAT WAS CHALLENGING FOR YOUR GROUP?

RATE YOUR GROUP MEMBERS ON THEIR PARTICIPATION AND WILLINGNESS TO HELP.

1 = MINIMAL PARTICIPATION AND EFFORT GIVEN, WASN'T MUCH OF A GROUP PROJECT

10 = WORKED WELL WITH MY GROUP, EVERYONE PITCHED IN AND DID THEIR PART

1 2 3 4 5 6 7 8 9 10