November 6, 2020

6th Grade
Nov 6, 2020

Please get ready to listen to directions for your Unit 5 project.

HOMEWORK:

ALEKS-60 minutes and 5 topics due by Nov 10

Unit 5 project due Wednesday

Unit 5 test on Thursday

Benchmark quiz on Nov 18

Name: **Period:**

Math 6 - Coordinate Plane Project

(Due Date: _____)

We have just finished learning about plotting ordered pairs in the coordinate plane and identifying which quadrant a point is located in. In this project, you will produce a coordinate plane picture with a set of directions to recreate that picture.

Step 1: Create a coordinate plane picture using only straight lines between points, at least 60 ordered pairs (some may be repeated), and at least 5 shapes. You must use points in all four quadrants.

Step 2: Create directions for another person to recreate your picture. You need to identify each ordered pair that you plotted, as well as the quadrant each point is located in. See template in this packet and example below for clarification.

Example

SHAPE 1

	Ordered Pair	Quadrant
1	(1, 14)	I
2	(6, 12)	I
3	(10, 8)	I
4	(11, 3)	I
5	(10, -2)	IV
6	(6, -6)	IV
7	(2, -8)	IV
8	(-2, -8)	III
9	(-7, -6)	III
10	(-11, -2)	III
11	(-12, 3)	II
12	(-11, 8)	II
13	(-7, 12)	II
14	(-2, 14)	II

SHAPE 2

	Ordered Pair	Quadrant
15	(-8, 8)	II
16	(-7, 9)	II
17	(-3, 8)	II
18	(-3, 7)	II

SHAPE 3

	Ordered Pair	Quadrant
19	(-1, 7)	II
20	(-1, 8)	II
21	(4, 11)	I
22	(4, 10)	I

AND SO ON..

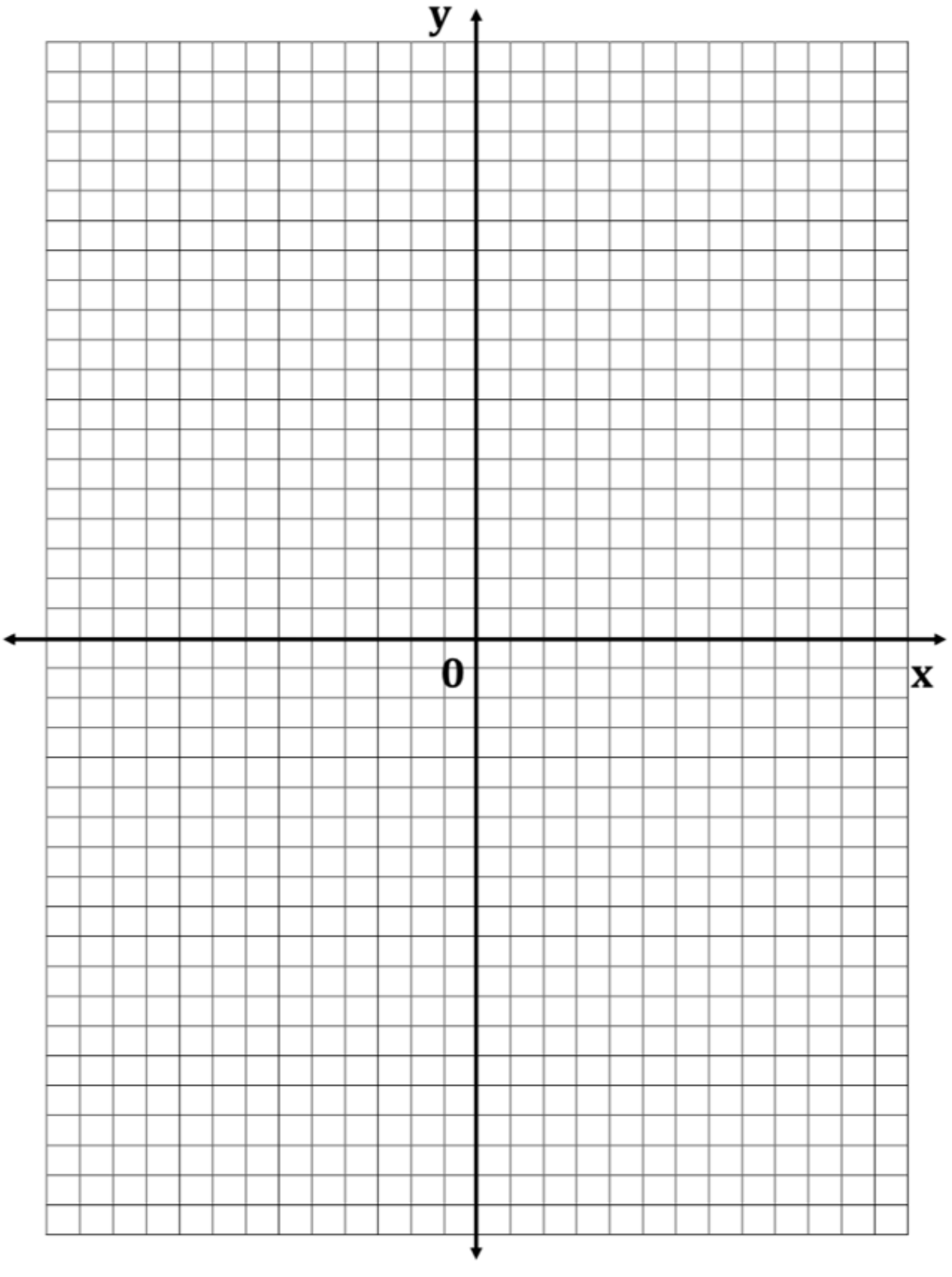
How your project will be graded

This project is worth 100 points. Your project will be graded based on the following criteria.

Criteria	25 points (Excellent)	20 points (Good)	15 points (Fair)	10 points (Poor)
Overall Presentation	The coordinate plane picture and directions are neat and legible. The picture is **colored**.	The coordinate plane picture and directions are neat and legible. The picture is **not colored**.	The coordinate plane picture or directions are **not neat or legible.** The picture may or may not be colored.	The coordinate plane picture is **not colored** and the directions are **neither neat nor legible**.
Math Accuracy	The directions are **very accurate**. 90-100% of the ordered pairs and quadrants are correctly identified.	The directions are **mostly accurate**. 80-89% of the ordered pairs and quadrants are correctly identified.	The directions are **somewhat accurate**. 70-79% of the ordered pairs and quadrants are correctly identified.	The directions are **not accurate**. Less than 70% of the ordered pairs and quadrants are correctly identified.
Complexity of Picture	The project uses **at least 60** ordered pairs (some may be repeated) and **at least 5 shapes**.	The project uses **at least 60** ordered pairs or **at least 5 shapes**.	The project uses **less than 60** ordered pairs or **less than 5 shapes**.	The project uses **less than 60** ordered pairs and **less than 5 shapes**.
Follows Directions	The project contains ordered pairs in **four quadrants** and uses only **straight lines** between points.	The project contains ordered pairs in **four quadrants** but uses **curved lines** between some points.	The project contains ordered pairs in **three quadrants**.	The project contains ordered pairs in **less than three quadrants.**

November 6, 2020

Name: Period:



November 6, 2020

Use as many lines as you need. It can be more or less than 25 points. If you use less, leave the extra lines blank and go to the next shape column. If you use more, you can go into the next column. Remember, your ordered pairs must be in order to CONNECT like dot-to-dots. If you want a closed shape, your first and last ordered pairs for that shape must be THE SAME. I provided space for up to 10 shapes, but your requirement is AT LEAST 5. **You only need to list the two end points of a line, not every point in between. I will model this in class.

	SHAPE 1	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 2	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 3	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

November 6, 2020

	SHAPE 4	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 5	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 6	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

November 6, 2020

	SHAPE 7	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 8	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 9	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

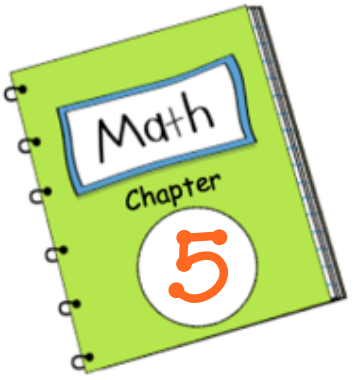
November 6, 2020

	SHAPE 10	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 11	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	SHAPE 12	
	Ordered Pair	Quadrant
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

November 6, 2020



TITLE: Integers and the Coordinate Plane

Date	Lesson	Topic/Assignment
10/19	1	Integers and Graphing VN and Examples
10/20	1	HW WS
10/22	2	Absolute Value Video Notes
10/22	2	Packet
10/23	1-2	Alien WS
10/26	3	Compare and Order Integers Notes
10/26	3	Page 367 and 369 from Text
10/27	3	Skills Practice WS
10/28	4	Terminating and Repeating Decimals VN
10/29	4	Practice WS (6 Boxes)
10/30	4	Reteach and Review WS
11/2	5	Compare and Order Rational Numbers VN
11/3	5	Skills Practice WS
11/4	5	Practice WS (6 Boxes)
11/4	6	Coordinate Plane Video Notes
11/4	6	In-Class Notes (half sheet)
11/5	6	Page 401 from Text
11/6	7	Graphing in Coordinate Plane VN

November 6, 2020