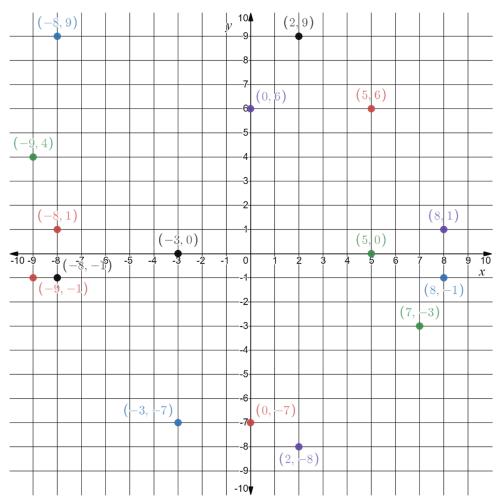
For each type of question, the achievement level is indicated. Showing work is an important strategy in communicating your knowledge and ideas so please be thorough.

Learning Goal 5.1 I can graph integral coordinates in the four quadrants.

	Developing							
1. Pred	Predict the quadrant of the following coordinates.							
2. Grap	oh the coordinates.							
a.	(5,6) I	b.	(−3,−7) III	C.	(−9,4) II	d.	(2,−8) IV	
e.	(2,9) I	f.	(−9,−1) III	g.	(−8,9) II	h.	(7, −3) IV	
i.	(8, 1) I	j.	(−8,−1) III	k.	(−8,1) II	I.	(8, −1) IV	
m.	(5,0)	n.	(0,6)	0.	(-3,0)	p.	(0, -7)	

https://www.desmos.com/calculator/9tvc2wcscu



Name:	Date:
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	Proficient							
3. P	3. Predict the quadrant of the following coordinates.							
a.	(−293,172) II II	b.	(739,−324) IV	C.	(1040,8) I	d.	(−975,−832) III	
e.	(0.354, 1.983) I	f.	$\left(-\frac{1}{5},\frac{6}{7}\right)$ II II	g.	$\left(0.921, -\frac{7}{10}\right)$ \mathbb{IV}	h.	(−5.243, −0.001) III	

For each type of question, the achievement level is indicated. Showing work is an important strategy in communicating your knowledge and ideas so please be thorough.

Learning Goal 5.2

I can express relations as expressions, in a table of values and on a graph.

Proficient

c.

1. Make a table of values with x = -5, -3, -1, 1, 3, 5

b.

2. Graph the ordered pairs from the table of values.

$$y = 2x + 3$$

х	у
-5	- 7
-3	-3
-1	1
1	5
3	9
5	13

a.

$$y = -2x - 4$$

x	у
-5	6
-3	2
-1	-2
1	-6
3	-10
5	-14

$$y = x - 6$$

х	у
-5	-11
-3	-9
-1	-7
1	-5
3	-3
5	-1

$$y = -x + 7$$

\boldsymbol{x}	у
- 5	12
-3	10
-1	8
1	6
3	4
5	2

- https://www.desmos.com/calculator/yloh88tvqd
- https://www.desmos.com/calculator/otfstmpspf
- b. https://www.desmos.com/calculator/agtvx1dtdp

d.

- d. https://www.desmos.com/calculator/a1h3hfnfiw
- 3. Klaus works after school. The graph shows his rate of pay.
 - a. Make a table of values from the graph.

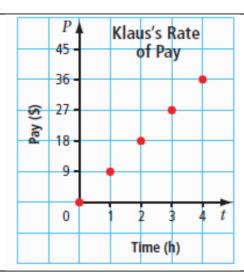
	aa.c a table of talace a a 8. ap						
t	0	1	2	3	4		
P	0	9	18	27	36		

b. Does the graph represent a linear relation? Explain.

Yes

c. Is it possible to have other points between the ones on this graph? Explain.

Yes



lame:	Date:

Extending

- 1. To rent a photo-booth for an event costs \$100 for the first hour and \$20 for each additional hour.
 - a. Make a table of values showing the cost in relation to the number of hours rented for one to five hours.

h	1	2	3	4	5
С	100	120	140	160	180

b. Draw a graph from the table of values.

https://www.desmos.com/calculator/n2vgnjk9bl

c. Write an expression for the cost in relation to the number of hours rented, h.

$$80 + 20h$$

d. What is the cost if you rent the booth for 12 hours?

\$320

- 2. To go on a field trip, there needs to be one adult for every 6 children.
 - a. Make a table of values showing the number of adults for 6, 10, 14, 18, 22 and 26 children.

h	6	10	14	18	22	26
С	1	2	3	3	4	5

b. Draw a graph from the table of values.

https://www.desmos.com/calculator/ufrttxa7gu

c. If there are 8 adults present, how many children could there be?

$$43 - 48$$