Week of June 1st Math 9B Continuation of Learning Plan **Math 9 Teachers**

Essential Outcome	Lesson/Video	Practice Questions
Label a graph properly (scale, IV, DV and title)	Teaching Video https://www.youtube.com/watch?v=ugsJfwwlSWE	Practice Worksheet 1 (provided below) Online Practice https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:linear-equations-graphs/x2f8bb11595b61c86:applying-intercepts-and-slope/v/slope-intercepts-context
Plot coordinate points on the cartesian plain	Teaching Video https://www.youtube.com/watch?v=j6LGxJhc8Kk	Practice Worksheet 2 (provided below) Online Extra Practice for fun: https://www.mathnook.com/math/skill/coordinategridgames.php
Describe data as continuous or discrete	Teaching Video https://www.youtube.com/watch?v=_yAQb8gWBpU	Practice Worksheet 3 (provided below)
Use a line on a graph to determine x and y values	Teaching Video https://www.khanacademy.org/math/algebra-home/alg-linear-eq-func/alg-interpreting-linear-functions/v/interpreting-features-of-linear-functions-example	Practice Questions After Video Practice Worksheet 4 (provided below)
Use rise over run to determine slope of a line	Teaching Video https://www.youtube.com/watch?v=ADLoWIxKsyQ	Practice Worksheet 5 (provided below)

Practice Worksheet 1: Label a graph properly (scale, IV, DV and title)

Line Graph - Social Networking

Rockstar Jim's music album had just been released. The number of fan followers from a leading social networking site for the first ten days are noted. Read the data and draw a line graph.

Day	Number of Fans
1	300
2	500
3	550
4	800
5	600
6	700
7	850
8	600
9	450
10	300

Practice Worksheet 2: Plot coordinate points on the cartesian plain

Example 1: **Graph the following points on the given grid.**

A (3 , 4)

B (-1, 4)

C (4, -2)

D (-5, -4)

E (2, 5)

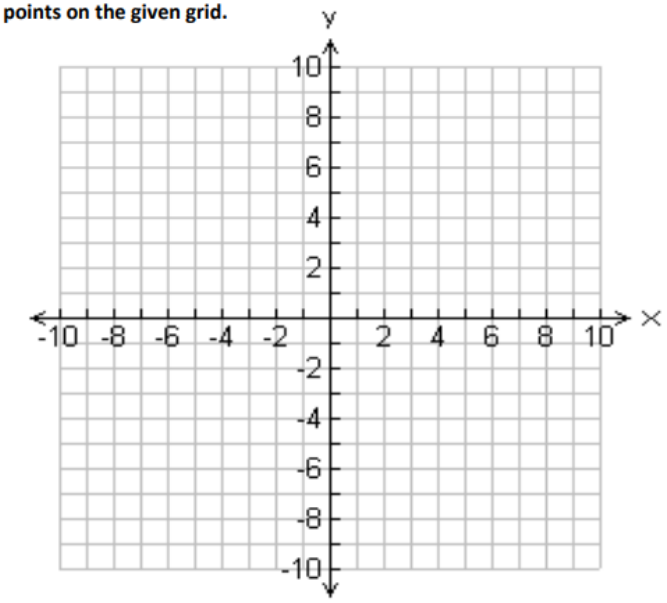
F (-3, -1)

G (-3, 7)

H (6, -2)

I (2 , 0)

J (0 , -4)

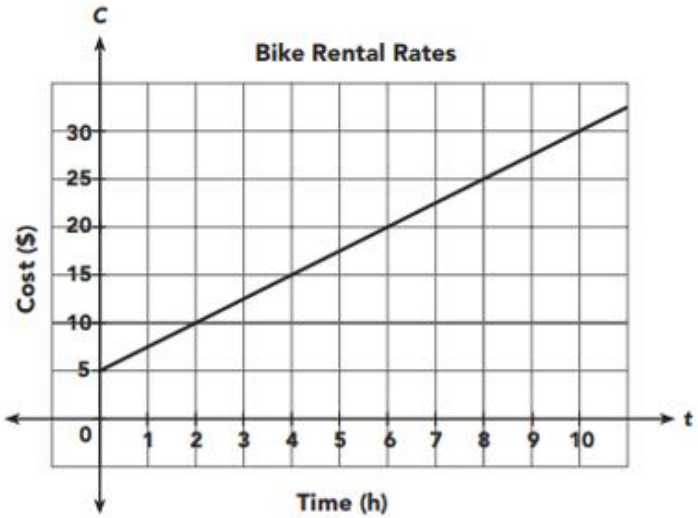


Practice Worksheet 3: Discrete or Continuous

1. The heights of your classmates.
2. The number of photos on your phone.
3. The weights of watermelons.
4. The age of a person.
5. The number of lyrics in a song.
6. The time it takes each student to run 100m.
7. The length of the longest video on your phone.
8. The hats you have in your closet.
9. The pets you have at your house
10. The forks in your cutlery drawer.

Practice Worksheet 4:

1. To rent a bike, Max pays a flat rate plus an hourly rental fee. The graph shows the amount, C dollars, he pays based on the number of hours, t, he uses the bike.



a) Find the vertical intercept of the graph and explain what information it gives about the situation.

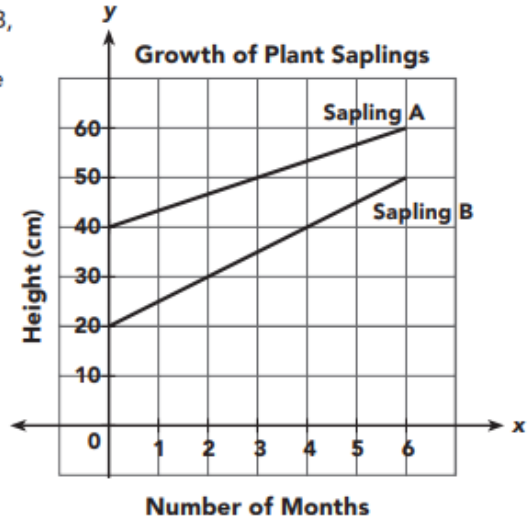
b) How much would it cost Max to rent the bike for 6 hours?

c) Max has $15, how long can Max rent the bike for?

2. The growth of two plant saplings A and B, were observed for a period of 6 months. The graph shows the linear growth of the saplings, in centimeters.

a) Find the initial height of sapling A and sapling B.

b) Which sapling shows the greatest amount of growth during the 6 month time period? Explain.

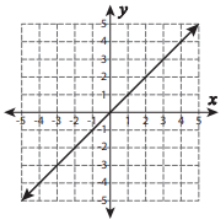


Practice Worksheet 5: Use rise over run to determine slope of a line

Types of Slopes

Sheet 1

Identify the slope as positive, negative, zero or undefined from each graph.

1) 

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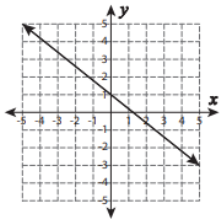
2) 

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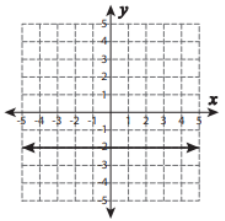
3) 

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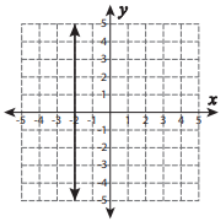
4) 

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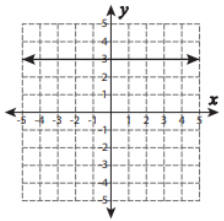
5) 

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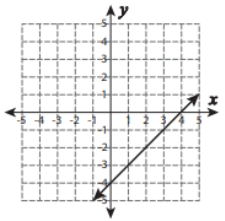
6) 

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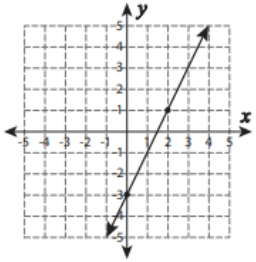
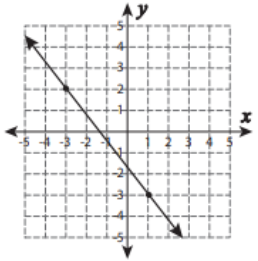
Find the Slope

Level 1: S1

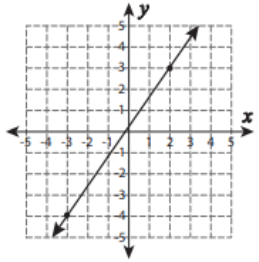
Calculate the rise and run to find the slope of each line.

1) 

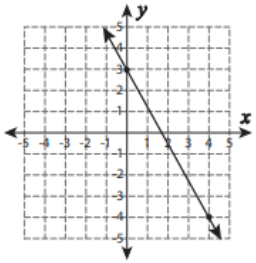
Slope = _____

2) 

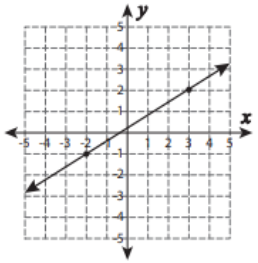
Slope = _____

3) 

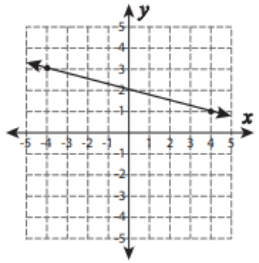
Slope = _____

4) 

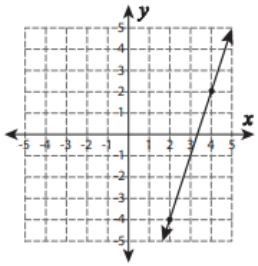
Slope = _____

5) 

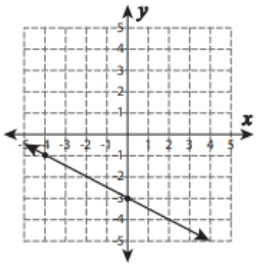
Slope = _____

6) 

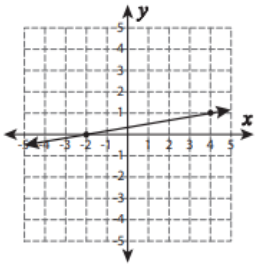
Slope = _____

7) 

Slope = _____

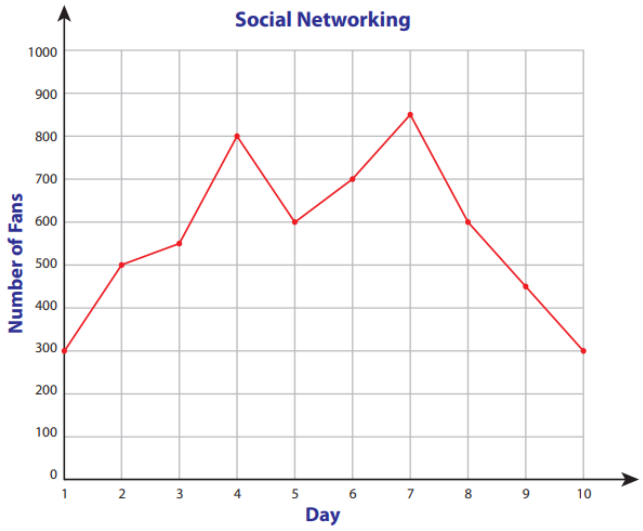
8) 

Slope = _____

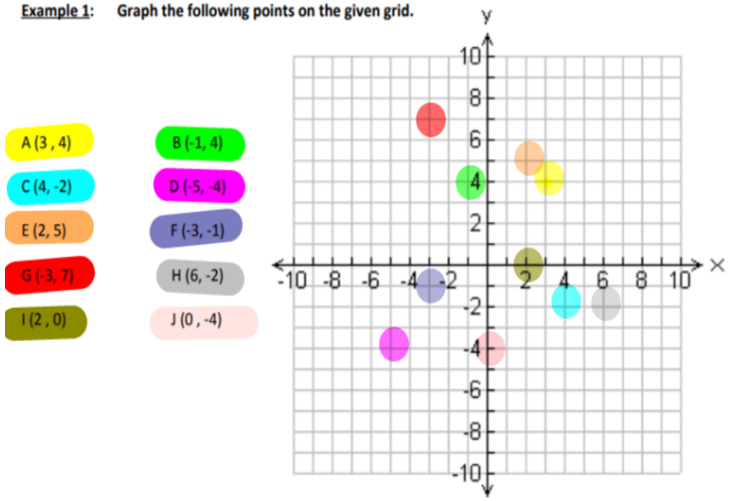
9) 

Slope = _____

Worksheet 1 Solutions



Worksheet 2 Solutions



Worksheet 3 Solutions

1. Continuous	2. Discrete
3. Continuous	4. Continuous
5. Discrete	6. Continuous
7. Continuous	8. Discrete
9. Discrete	10. Discrete

Worksheet 4 Solutions

1. a) The vertical intercept is $5, this is the flat rate cost to rent the bike

b) $20 c) 4 hrs

2. Sapling A: 40 cm Sapling B: 20cm

b) Sapling B: it grows 30cm in 6mths and Sapling A grows 20cm

Worksheet 5 Solutions

Types of Slope:

1. Positive 2. Negative 3. Zero

4. Undefined 5. Zero 6. Positive

Find the Slope:

1) +2	2) -5/4	3) +7/5
4) -7/4	5) +3/5	6) -1/4
7) +3	8) -1/2	9) +1/6