

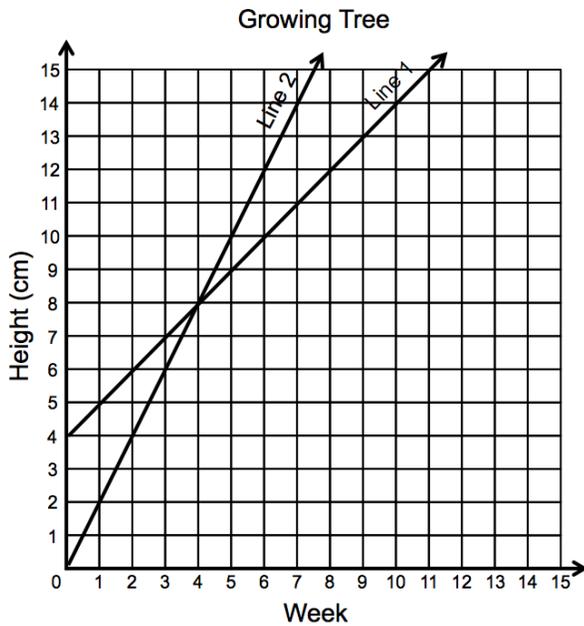
Name _____

Period _____

Math 8 – Unit 2a Extra Practice

Original Score

I can interpret graphs and analyze the results.



a. Identify the IV and DV in this situation:

IV: _____

DV: _____

b. List the starting value for each line:

Line 1: _____

Line 2: _____

c. What does the starting value represent in the context of this graph?

d. List the rate for each line:

Line 1: _____

Line 2: _____

e. What two variables make up the rate for this graph?

f. Write an equation for each line on the graph:

Line 1: _____

Line 2: _____

g. What does each number and variable mean in the equations?

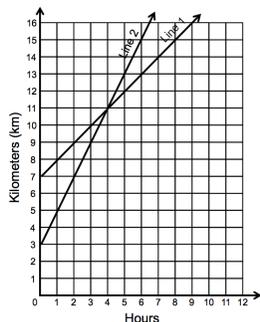
Name _____

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Math 8 – Unit 2a Extra Practice

I can prove intersections using equations of two lines.

Original Score



1.

List the IV and DV of the lines on this graph:

IV: _____

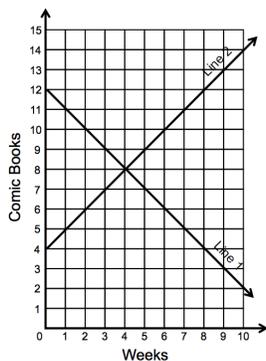
DV: _____

List the intersection of the two lines: (_____ , _____)

Prove the intersection using the equations:

Line 1: $K = h + 7$

Line 2: $K = 2h + 3$



2.

List the IV and DV of the lines on this graph:

IV: _____

DV: _____

List the intersection of the two lines: (_____ , _____)

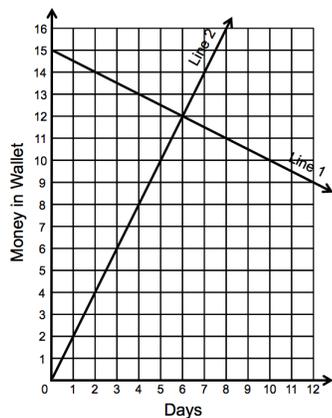
Prove the intersection using the equations:

Line 1: $K = 12 - h$

Line 2: $K = h + 4$

Name _____

Period _____



3.

List the IV and DV of the lines on this graph:

IV: _____

DV: _____

List the intersection of the two lines: (_____ , _____)

Prove the intersection using the equations:

Line 1: $K = 15 - 0.5h$

Line 2: $K = 2h$

Name _____

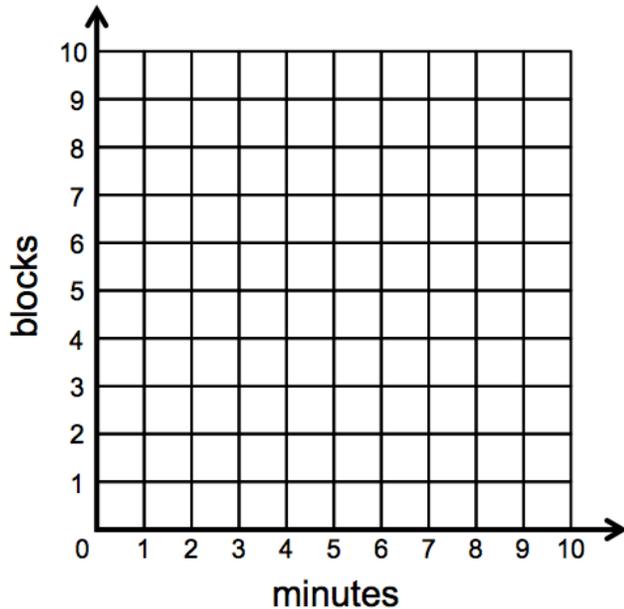
Period _____

Math 8 – Unit 2a Extra Practice

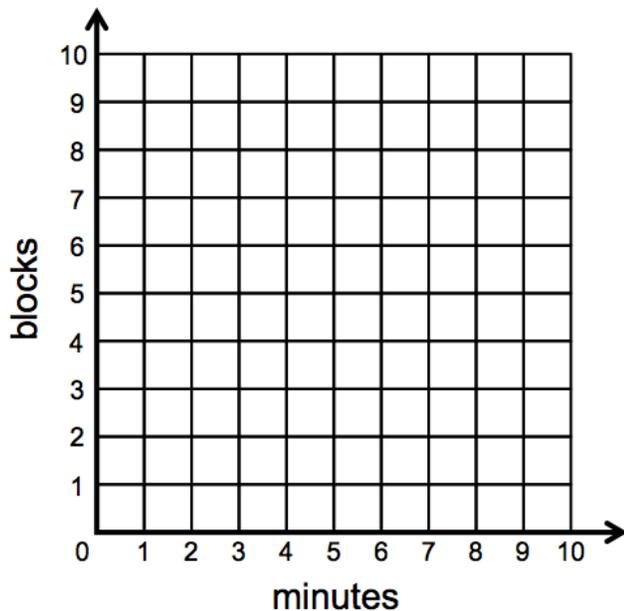
Original Score

I can analyze different situations in context.

Draw a graph to represent each situation.



- A student lives seven blocks from school.
- The student starts to walk home – the first two blocks. She walks two blocks at an increasing pace for three minutes.
- She waits at a light for two minutes.
- She walks quickly one block back to get a snack – it takes one minute.
- She stays at the gas station for two minutes.
- She walks the last six blocks in two minutes.



- A student is walking to school from home.
- School is eight blocks away.
- The first two minutes he walks at a constant rate and walks three blocks.
- Then he stops for two minutes at a stoplight.
- Then he walks for one minute and walks one block.
- He realizes he's late and walks at a fast pace and walks four blocks in two minutes to get to school.

Name _____

Period _____

Write a context to represent each graph.

