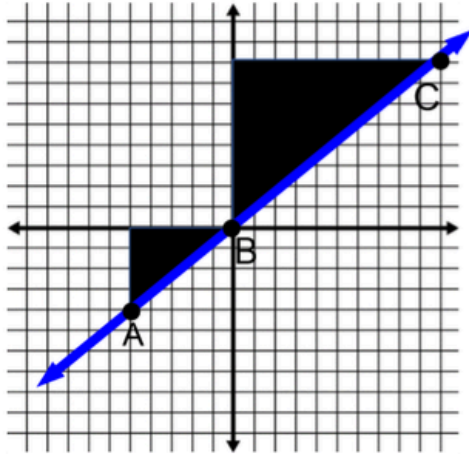


Mathematics 8 – Unit 2 – Model Lesson 4: Rate of Change and Similar Triangles

Directions: Complete rate of change and write the equation of the line for each graph.

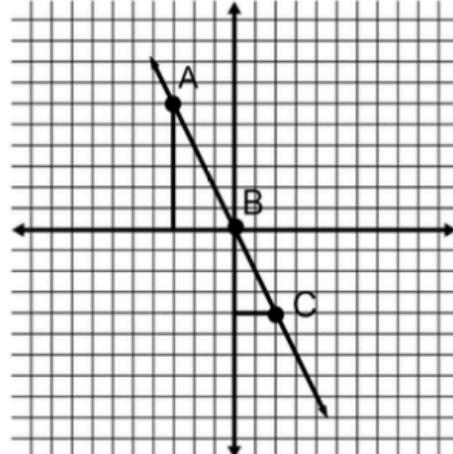


$\frac{\Delta y}{\Delta x}$ for smaller triangle = _____

$\frac{\Delta y}{\Delta x}$ for larger triangle = _____

$\frac{\Delta y}{\Delta x}$ for \overrightarrow{AC} = _____

Equation of \overrightarrow{AC} = _____

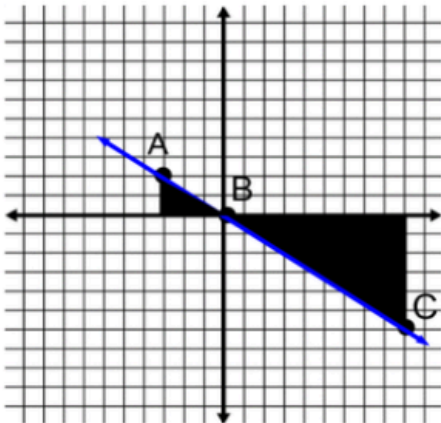


$\frac{\Delta y}{\Delta x}$ for smaller triangle = _____

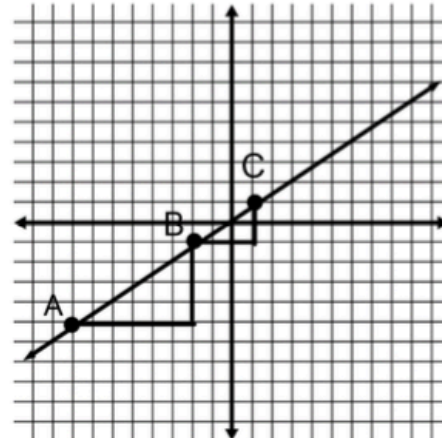
$\frac{\Delta y}{\Delta x}$ for larger triangle = _____

$\frac{\Delta y}{\Delta x}$ for \overrightarrow{AC} = _____

Equation of \overrightarrow{AC} = _____



Equation of \overrightarrow{AC} = _____



Equation of \overrightarrow{AC} = _____

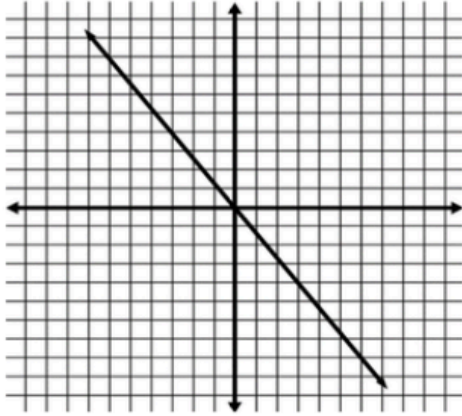
Name: _____ Period: _____ Date: _____

Practice Problems – Rate of Change

8.EE.B.6 and SMPs: 1,3,4,6,7

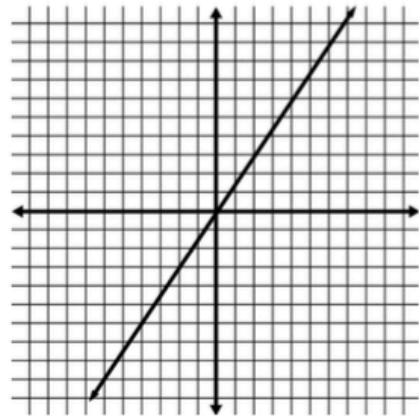
Mathematics 8 – Unit 2 – Model Lesson 4: Rate of Change and Similar Triangles

Directions: Determine the rate of change of the line by creating at least 2 similar triangles on each graph.



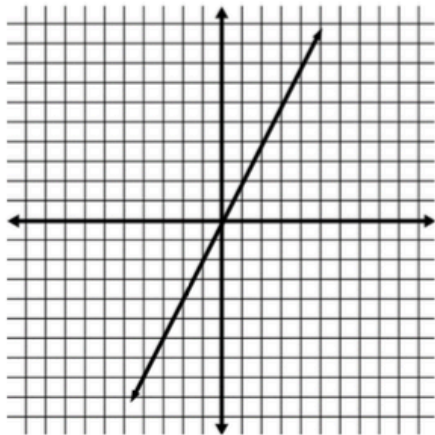
Rate of change for the line = _____

Equation for the line _____



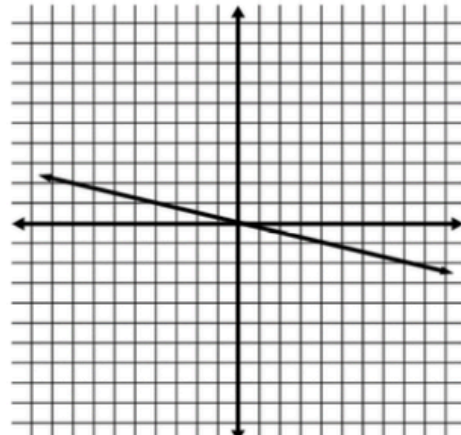
Rate of change for the line = _____

Equation for the line _____



Rate of change for the line = _____

Equation for the line _____



Rate of change for the line = _____

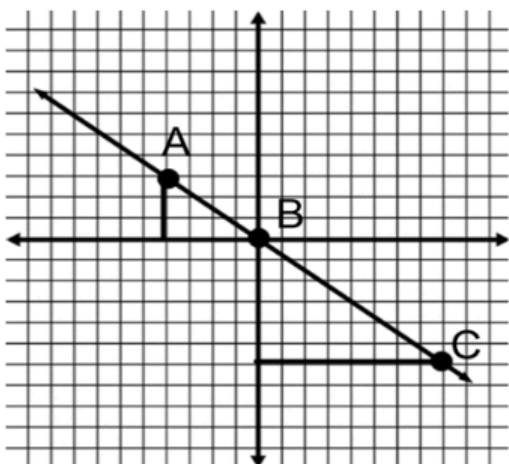
Equation for the line _____

Name: _____ Period: _____ Date: _____

Assessment for Learning – Rate of Change

8.EE.B.6 and SMPs: 1,3,4,6,7

Directions: Answer the questions in the text box for the graph below.

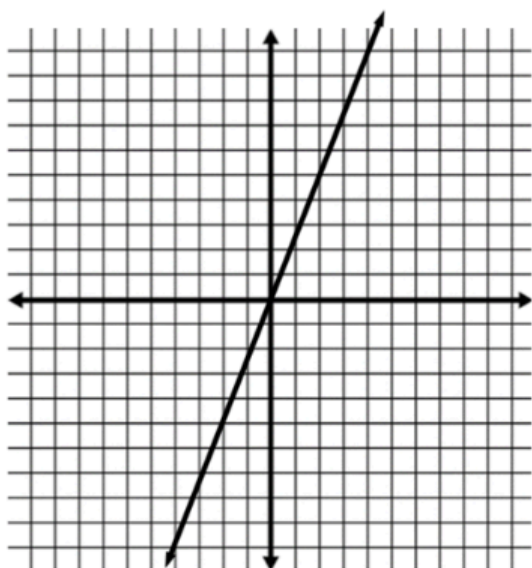


$\frac{\Delta y}{\Delta x}$ for smaller triangle = _____

$\frac{\Delta y}{\Delta x}$ for larger triangle = _____

$\frac{\Delta y}{\Delta x}$ for \overline{AC} = _____

Equation of \overline{AC} = _____



Rate of change for the line = _____

Equation for the line _____