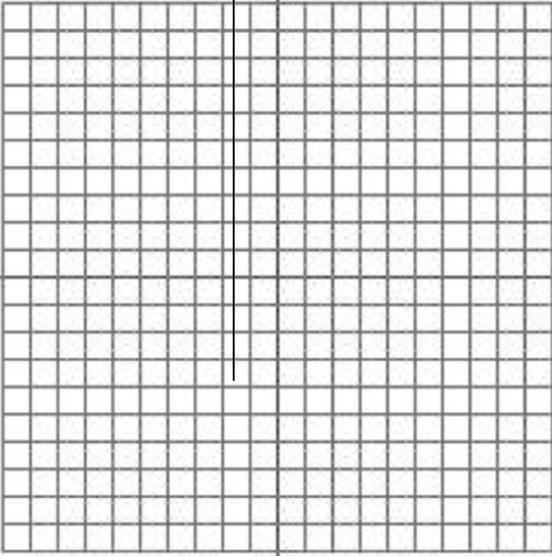Date: _____   Name: _____

Link sheet mp.1.2   Period: _____

Show your work. Circle your answer.

Given A (–5, –2) and B (7, 4) find coordinates of the midpoint, M as follows:

Graphically	Numerically
	<u> x y . </u> A M B

Analytically Use the midpoint formula.	Write a paragraph to explain how the midpoint calculation is like finding two averages (the x's and the y's).
$$mp = \left(\frac{x_2 + x_1}{2}, \frac{y_2 + y_1}{2} \right)$$	

Date: _____   Name: _____

Link sheet mp.1.2   Period: _____

Show your work. Circle your answer.
Given A (–4, 9) and B (6, –7), find coordinates of the midpoint, M as follows:

Graphically	Numerically
	$\underline{\quad x \quad\quad y \quad .}$
	A
	M
	B
Analytically	If B is the midpoint of segment AD, find the coordinates of point D.
Stack	
Add	
Divide by 2	

Date: _____   Name: _____

Link sheet mp.1.2   Period: _____

Show your work. Circle your answer.
Given A (–122, 3) and B (29, –5), find coordinates of the midpoint, M as follows:

Analytically	Numerically
S A D	-
If B is the midpoint of segment AD, find the coordinates of point D.	Given 5 consecutive points on a line, A, B, C, D, and E, such that B is the midpoint of segment AE. C is the midpoint of segment BE and D is the midpoint of segment CE. If AD = 7, how long is AE?