1. Determine the midpoint of the segment with	2. Determine the point with a ratio that is 3:1 the
endpoints (–10, –11) and (8, –17).	distance from the endpoint (–6, –16) of the segment with endpoints (34, 0) and (–6, –16).
3. Determine the point that is $1/3$ the distance from the	4. Find the coordinates of the second endpoint given one
endpoint (6, 24) of the segment with endpoints (–9, –18) and (6, 24)	endpoint and the midpoint of the segment. Endpoint (–10, 3) and midpoint (3, 4)
5. Luis works at a theater on 8th Avenue and 20th Street.	6. Malik and Brad both live on 3rd Avenue. Malik lives at
Kaleb lives at the corner of 18th Avenue and 4th Street.	the corner of 1st Street, and Brad lives at the corner of
What is the intersection that is midway between them?	19th Street. 2/3 the distance from Malik's apartment to Brad's apartment is a market. Where is the market?
20 Brad School 19 18 School	y Theater 20 Brad 19 School
17 16 Coffee \$hop	
15 14 Dave's Doorknobs	16 Coffee Shop
	13 12
Image: Weight of the second	Image: Street in the street
6 5 Nima	6 5 Nima
4 Kaleb	4 Kaleb 3 2 2
	1 Malik -1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 x
-1 Avenue	-1 Avenue

7. What is the distance between the cinema and the	8. Bob's Bake Shop is located at the corner of 8th Avenue
library?	and 6th Street. Dolly's Diner is located at the corner of
	18th Avenue and 16th Street. Located 4/5 of the distance
19	from Bob's Bake Shop is the bank. Where is the bank?
18 Library Dolly's Diner	20 20 20 20 20 20 20 20 20 20 20 20 20 2
17 Dolly's Diner	19 18 Library
15 Cinema	18 Library 17 Dqlly's Diner
	16 15 Cinema
₩ 11	
9 Baseball Field	by 11 Beth 57 10 10
8	9 Başeball Field
7 Bob's Bake Shop	8 7 Bob's Bake Shop
5 Midhele Bri	
	5 Midhele Biri
3 Nora	³ Nora
2 Colby	2 Colby
-1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 x	-1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 x
-1 Avenue	-1 Avenue
9. Determine which of the lines, if any, are parallel.	10. Determine which of the lines, if any, are parallel.
Explain.	Explain.
	Line a passes through (-4,-1) and (2,2).
a/ /b/c	Line b passes through (-5,-3) and (5,1)
(-1, 2) (0, 1)	Line c passes through (-2,-3) and (2,-1).
/ (1, 1)	
-4 / / 2 4 x	
(-2, -1) $(-1, -3)$	
(0, -3)	
44. Determine which of the Process of the Process of	
11. Determine which of the lines, if any, are parallel.	12. Write an equation of the line that passes through the
Explain.	given point and is parallel to the given line.
	$(3,-1); y = \frac{1}{3}x - 3$
Lina a: $5y - x = 4$	3
Line b: $5y = x + 7$	
Line c: $5y - 2x = 5$	

