Geometry Name	e:Block:
Unit 1 Review Coordinate Geometry	
1. What is the midpoint between (-2, 5) and (4, 8)?	2. What is the distance between the points (-6, 5) and (1,1)?
3. One endpoint of a segment is (20, 20). The midpoint of the segment is (-2, 4). What is the second endpoint of this segment?	4. What is the point that is 2:1 the distance from the endpoint (-3, 8) of the segment with endpoints (-3, 8) and (9, -7)?
5. Luis works at a theater on 8th Avenue and	Use the table to answer questions 5-8.
20th Street. Kaleb lives at the corner of 18th	y Theater
Avenue and 4th Street. What is the intersection	19 School
that is midway between them?	
	10 16 Coffee Shop
6. Cleve's Cookie Store is located at the corner of 2nd Avenue and 9th Street. Dave's Doorknobs is located at the corner of 12th Avenue and 14th Street. Located 1/5 of the distance from Cleve's Cookie Store is the post office. Where is the post office?	14
8. Malik and Brad both live on 3rd Avenue. Malik lives at the corner of 1st Street, and Brad lives at the corner of 19th Street. 2/3 the distance from Malik's apartment to Brad's apartment is a market. Where is the market?	7. What is the distance between Bill and Kaleb?

Geometry Nam	e: Block:
9. Determine which of the lines, if any, are parallel. Explain.	10. Determine which of the lines, if any, are perpendicular. Explain.
Line a passes through (-2,5) and (2,1)	Lina a passes through (-2,-4) and (-1,-1)
Line b passes through (-4,3) and (3,4)	Line b passes through (-1,-4) and (1,2)
Line c passes through (-3,4) and (2,-6)	Line c passes through (2,3) and (4,2)
11. Determine which of the lines, if any, are parallel. Explain.	12. Determine which of the lines, if any, are perpendicular. Explain.
Lina a: $5y - x = 4$	Lina a: $5y - 2x = 1$
Line b: $5y = x + 7$	Line b: $y = \frac{5}{2}x - 1$
Line c: $5y - 2x = 5$	Line c: $y = \frac{2}{5}x + 3$
13. Write an equation of the line that passes through the given point and is parallel to the given line. (1, -2); $y = -2x + 1$	14. Write in slope-intercept form the equation of the line that is parallel to the line in the graph and passes through the given point.
	$y = \frac{y}{3}$ -1 1 3 x -1 (0, -1)
15. Write an equation of the line that passes through the given point and is perpendicular to the given line. $(-2.2)$ : $y = \frac{2}{-x} + 2$	16. Write in slope-intercept form the equation of the line that is perpendicular to the line in the graph and passes through the given point.
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Geometry Name	e:Block:
17. Find the area of the polygon with the given	18. Find the perimeter of the polygon with the
vertices.	given vertices.
N(-2, 1), P(3, 1), Q(3, -1), R(-2, -1)	X(-1, 3), Y(3, 0), Z(-1, -2)
	<b>6</b>
5	5
-6 -5 -4 -3 -2 -1 1 2 3 4 5 6	-6-5-4-3-2-1 1 2 8 4 5 6
19. What is the area of the rectangle ABCD with	20. Write an expression that represents the
vertices: A(-5, 7), B(-4, 10), C(5, 7), and D(4, 4)?	perimeter of the square with the given vertices:
<b>..</b>	A(2,-3), B(3,2), C(-2,3), and D(-3,-2)
	5
	-6 -5 -4 -3 -2 -1 1 2 3 4 5 6
	<b>6</b>
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