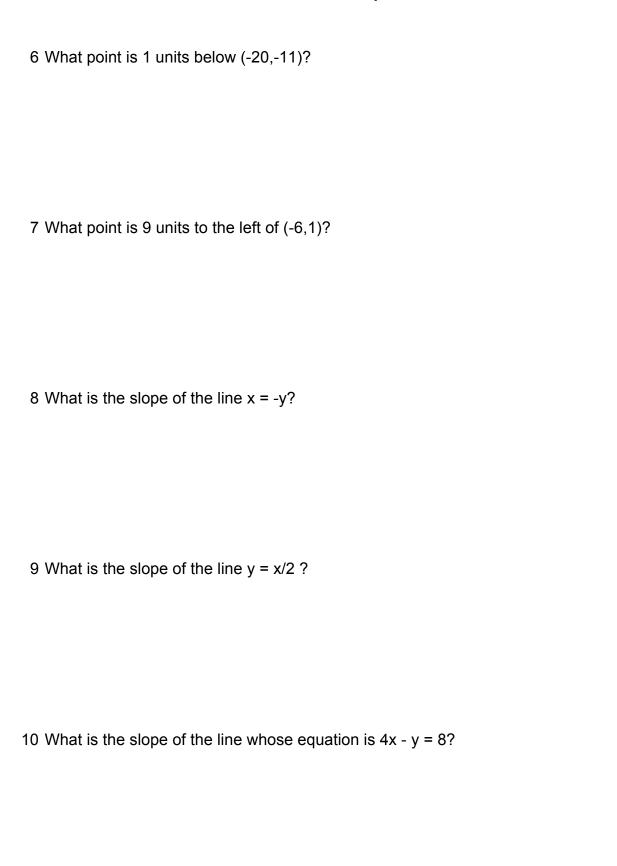
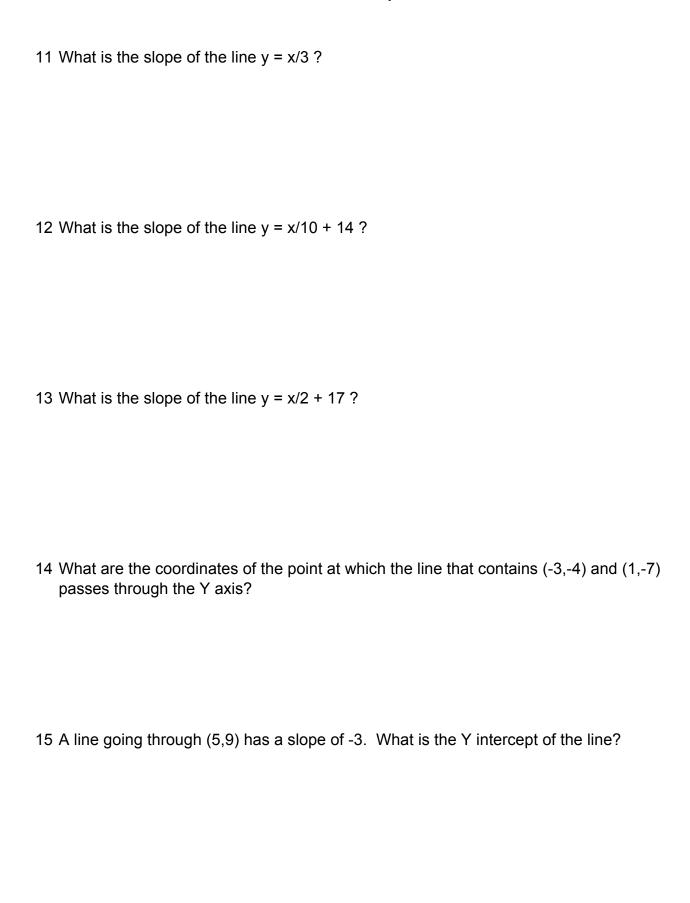
1 A line going through (3,-5) has a slope of -3. What is the Y intercept of the	e line?
2 What is the equation of the line whose X intercept is (-9,0) and whose Y in	itercept is (0,4) ?
3 What point is 3 units below (7,10)?	
4 What point is 2 units to the left of (5,7)?	
5 The points (-21,-15), (-11,-15), and (-21,-18) are three corners of a rectangle fourth point?	gle. What is the

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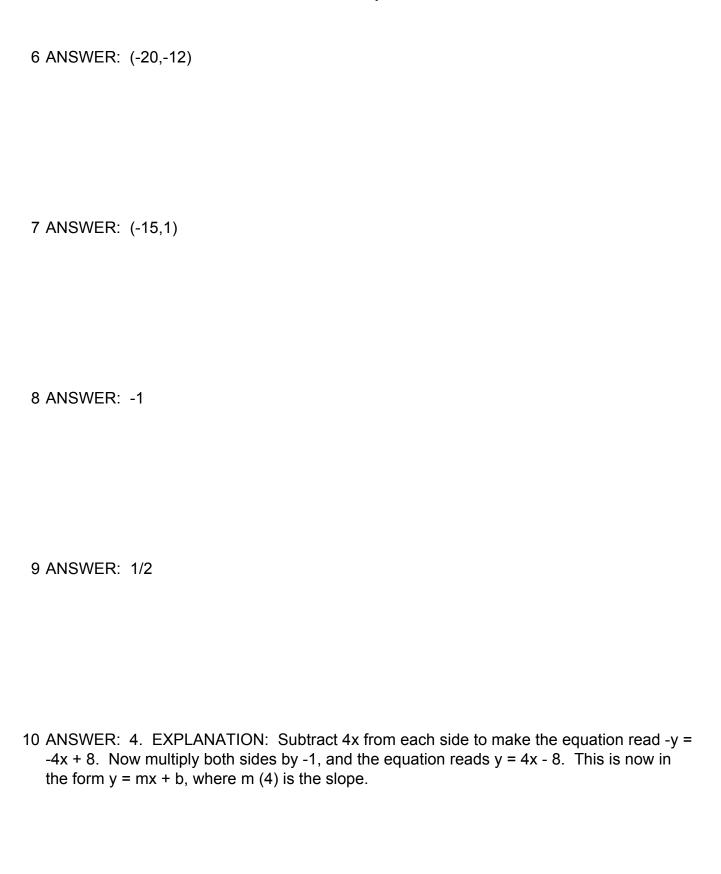


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1	ANSWER: (0,4). EXPLANATION: The Y axis is 3 units to the left of point (3,-5). Because it is to the left, we multiply 3 by the negative of the slope (3) to see that the line moves by 9 units in the Y direction from the given point to the Y intercept. Add this to the Y coordinate of (3,-5) to get the Y coordinate of the Y intercept.
2	ANSWER: $Y = 4X/9 + 4$ . EXPLANATION: In going from the X intercept to the Y intercept, the line changes by 4 in the Y direction, and by 9 in the X direction. The slope is therefore 4/9, and the Y intercept is given as 4.
3	ANSWER: (7,7)
4	ANSWER: (3,7)
5	ANSWER: (-11,-18). EXPLANATION: Since one X value appears twice, and one Y value appears twice, the fourth point must be the one that would make the other X and Y values appear twice in the completed list of points.



11	ANSWER: -1/3
12	NSWER: 1/10
13	ANSWER: -1/2
14	ANSWER: (0,-6 1/4). EXPLANATION: The X-coordinate of the Y-intercept will be 0, by lefinition. The slope of the line is the change in Y divided by the change in X, in this case -74) / (13), which equals -0.75. Going from the first point, (-3,-4), to the Y axis equires a move of 3 units in the X direction. Multiplying this value by the slope, we see hat we must move by -2.25 units in the Y direction from (-3,-4), which means the line intersects the Y axis at (0,-6 1/4).
15	ANSWER: (0,24). EXPLANATION: The Y axis is 5 units to the left of point (5,9). Because it is to the left, we multiply 5 by the negative of the slope (3) to see that the line noves by 15 units in the Y direction from the given point to the Y intercept. Add this to the Y coordinate of (5,9) to get the Y coordinate of the Y intercept.