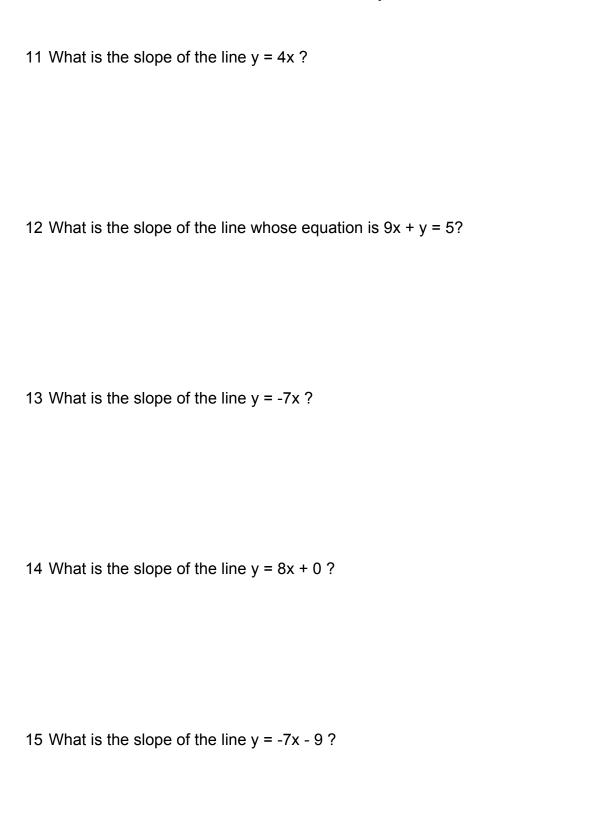


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6 What point is 1 units to the right of (6,7)?	
7 The points (19,5), (28,9), and (19,9) are three corners of a rectangle. point?	What is the fourth
8 What point is 10 units above (-16,-19)?	
9 What point is 8 units to the right of (-20,-14)?	
10 What is the slope of the line y = x?	

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1 ANSWER: -1	
2 ANSWER: -1. EXPLANATION: The slope of the line segments between the given points is (-118) / (2 - 5). The slope of any line perpendicular to this line segment is the negative reciprocal of this slope.	
3 ANSWER: $(0,7)$ . EXPLANATION: The equation $y = mx + b$ is the same as $b = y - mx$ . Plugging in the coordinates of the point and the slope $(m)$ , we calculate $b$ , the y-intercept, as $b = 4 - (-1 * 3)$ , which simplifies to 7. The x-coordinate of the y-intercept, of course, is 0 so the point is $(0,7)$ .	
4 ANSWER: $f(x) = 7x - 11$ . EXPLANATION: When x goes from 6 to 10, (a change of 4), $f(x) = 10$ changes by 28. Dividing the change in $f(x)$ by the change in x, we get the slope, which is the equation of the line is therefore of the form $f(x) = 7x + k$ . We can now plug in either pair of known values for x and $f(x)$ to solve for k.	•
5 ANSWER: (0,11)	

6 ANSWER: (7,7)
7 ANSWER: (28,5). 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.
8 ANSWER: (-16,-9)
9 ANSWER: (-12,-14)
IO ANSWER: 1

11 ANSWER: 4
12 ANSWER: -9. EXPLANATION: Subtract 9x from each side to make the equation read y -9x + 5. This is now in the form y = mx + b, where m (-9) is the slope.
13 ANSWER: -7
14 ANSWER: 8
15 ANSWER: -7