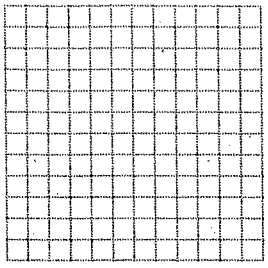
Geometry
Chapter 13

Name _____
Per _____

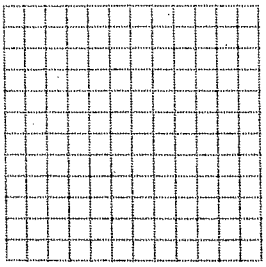
Graphing Lines

Graph

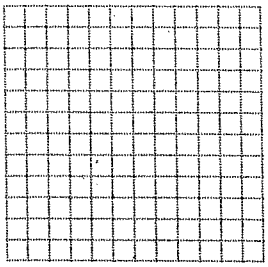
1. $y = x - 2$



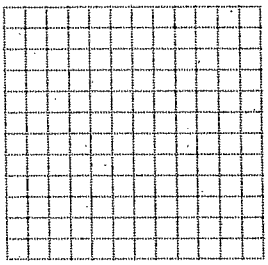
2. $2x + 4 = y$



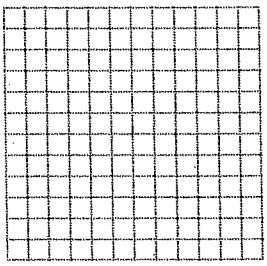
3. $y - 2x = 5$



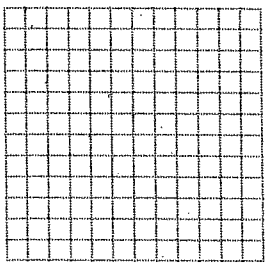
4. $5y + 5x = 10$



5. $6y - 3x = 9$

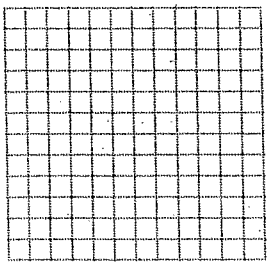


6. $2y + 4x = 14$

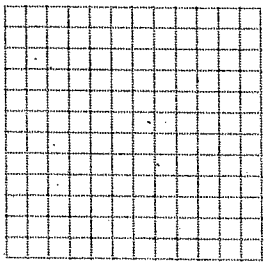


Graph.

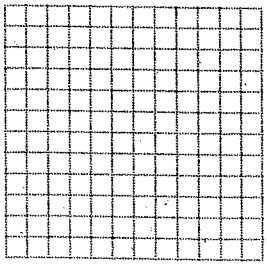
7. $x = 2$



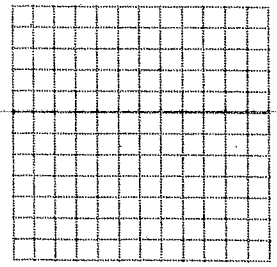
8. $y = -\frac{7}{2}$



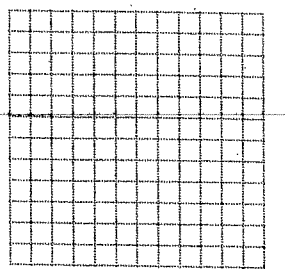
9. $x = -\frac{1}{2}$



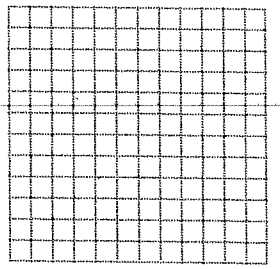
10. $3x - y = 4$



11. $y - 5 = 2x$



12. $x + y = 1$



Geometry
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Writing Equations of Lines

Write an equation of a straight line that meets the following conditions:

1. A line that passes through the points (2, -6) and (-3, 4).

_____

2. A line through the point (4, 6) and perpendicular to the line $3x + 4y = 6$.

_____

3. A line with a slope of $-\frac{2}{3}$ and that passes through the point (6, -4).

_____

4. A line through the origin and perpendicular to the line $x - 3y = -9$.

_____

5. A line of y-intercept 4, and slope $-\frac{2}{7}$. _____

6. A line parallel to $-2x + y = 6$ and through the point (-3, 8).

_____

7. A line perpendicular to the line through (2, -3) and (6, 4) with the same y-intercept as the line $3x - 4y = 24$. _____

8. A line through the points (6, -8) and (-4, 3). _____

9. A line of $m = -\frac{3}{5}$ and $b = 6$. _____

10. A line parallel to $-3x + y = 10$ with $b = 7$. _____

11. A line perpendicular to $-4x + y = -6$ and the same y-intercept as $2x - y = 4$.

_____

12. A line through the point (-2, 6) and parallel to the line $5x - 4y = 20$.

_____

13. A line that is the perpendicular bisector of the points (8, 4) and (14, 10).

_____