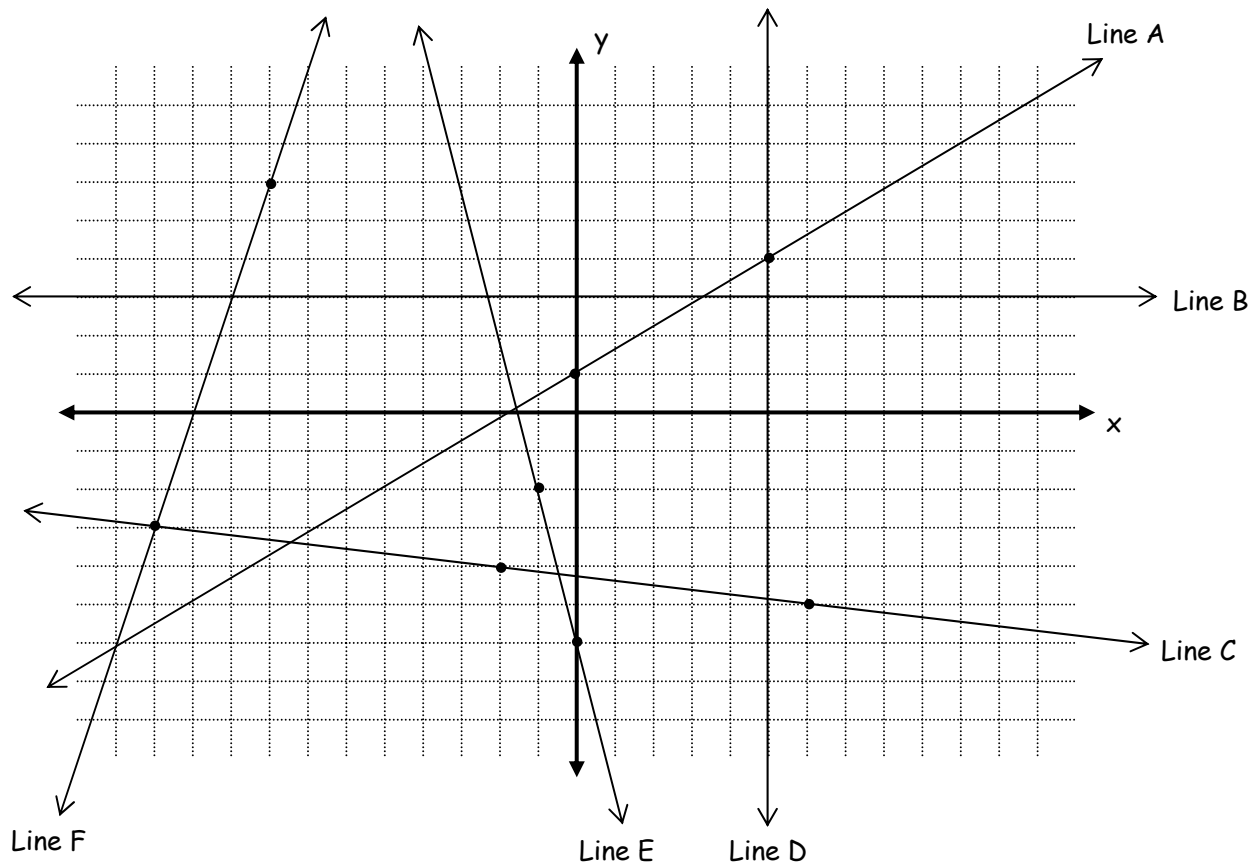


Writing Equations of Lines

Directions: Write the equation for each in slope-intercept form. Show all work.

1. A line with slope = -6 and has y-intercept = 3 . 1. _____
2. A line with slope = $\frac{5}{2}$ and has y-intercept = 9 . 2. _____
3. A line with slope = 2 and passing through the point $(-4, 3)$. 3. _____
4. A line with slope = $-\frac{1}{5}$ and passing through the point $(-10, 1)$. 4. _____
5. A line with slope = $\frac{3}{7}$ and passing through the point $(2, 2)$. 5. _____
6. A horizontal line passing through the point $(-6, -8)$. 6. _____
7. A vertical line passing through the point $(11, -7)$. 7. _____
8. A line with slope = $\frac{2}{3}$ and has x-intercept = 6 . 8. _____
9. A line with slope = -8 and has x-intercept = 2 . 9. _____
10. A line passing through the points $(12, 7)$ and $(6, 3)$. 10. _____
11. A line passing through the points $(5, -2)$ and $(14, -2)$. 11. _____
12. A line passing through the points $(6, -1)$ and $(-2, -6)$. 12. _____
13. A line parallel to $y = \frac{4}{3}x + 5$ and passing through the point $(-6, 5)$. 13. _____
14. A line parallel to $x + 2y = -9$ and passing through the point $(4, 1)$. 14. _____
15. A line perpendicular to $x = 2$ and passing through the point $(-9, -5)$. 15. _____
16. A line perpendicular to $2x - 8y = 12$ and passing through the point $(7, 1)$. 16. _____
17. A line perpendicular to $y = \frac{-2}{9}x - 4$ and has x-intercept = -8 . 17. _____

Directions: Use the graphs below to answer problems 18 - 23.



18. Write an equation in slope-intercept form for Line A.

18. _____

19. Write an equation in slope-intercept form for Line B.

19. _____

20. Write an equation in slope-intercept form for Line C.

20. _____

21. Write an equation in slope-intercept form for Line D.

21. _____

22. Write an equation in slope-intercept form for Line E.

22. _____

23. Write an equation in slope-intercept form for Line F.

23. _____