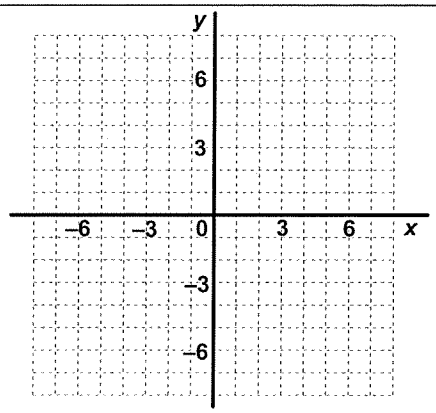
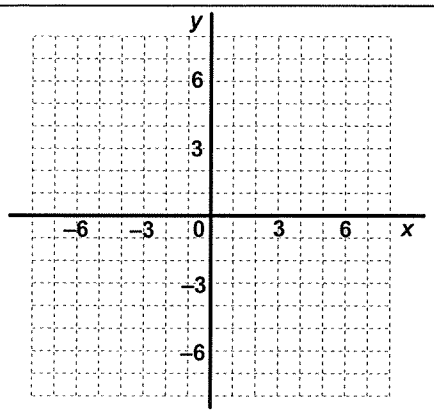
Plot & Name the Line

Date:

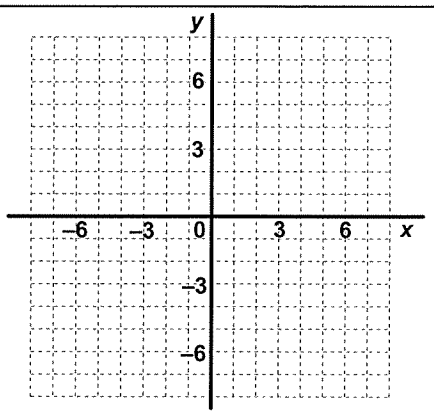
In each question, graph the line described then determine its equation and write it in the space provided.



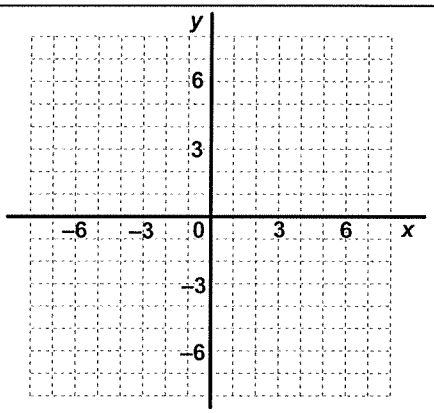
1. The line through the points (2,5) and (–2,–7).



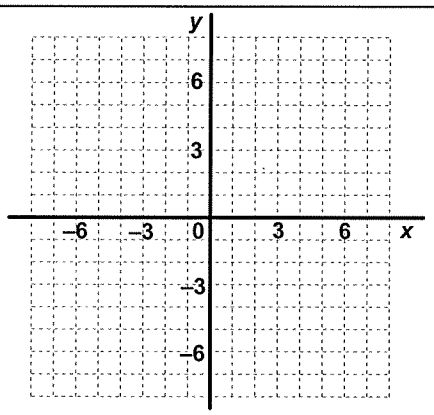
2. The line through the points (1,0) and (3,8).



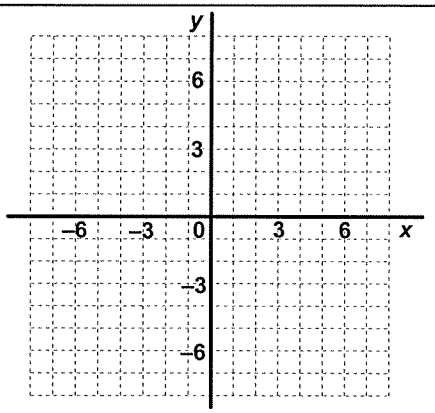
3. The line through the points (–6,–6) and (3,–3).



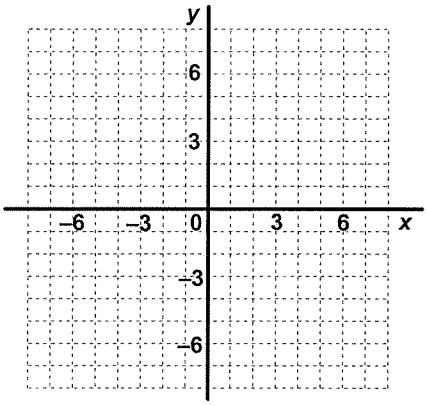
4. The line through the points (–5,6) and (–1,2).



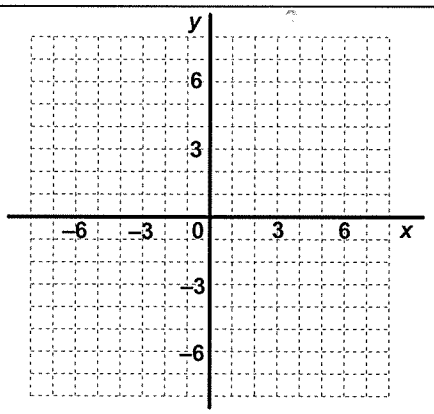
5. The line through the origin and the point (8,–6).



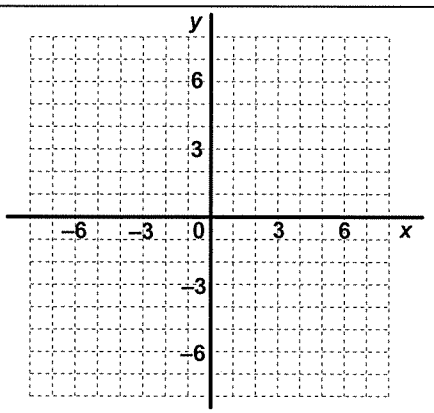
6. The line with x-intercept 6 and y-intercept 4.



7. The line with x-intercept –4 and y-intercept 6.



8. The line with x-intercept 7 and through the point (–7,–4).



9. The line with y-intercept $\frac{3}{2}$ and through (5,4).

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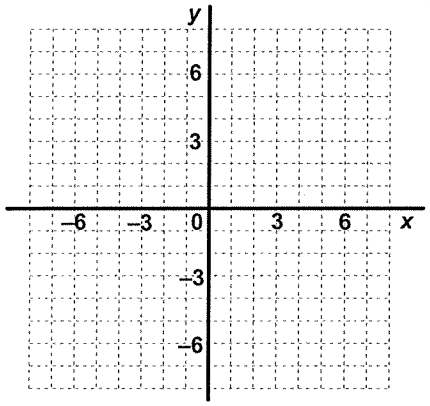
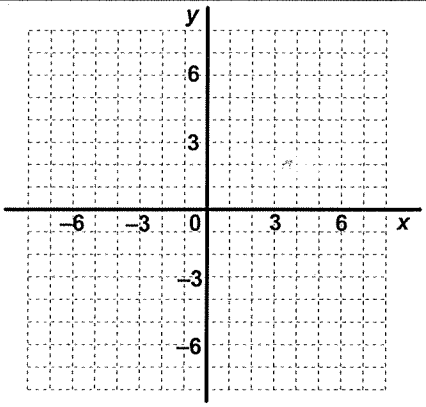
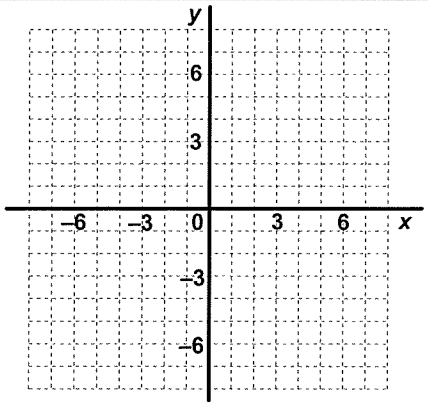


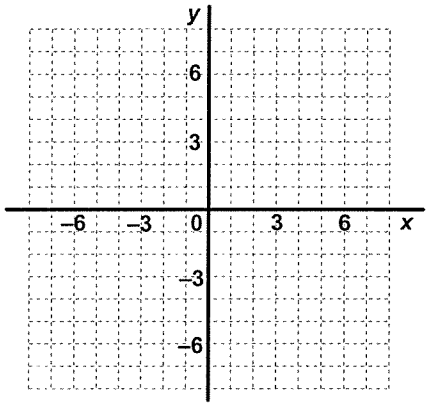
10. The line with y-intercept -5 and parallel to the x-axis.



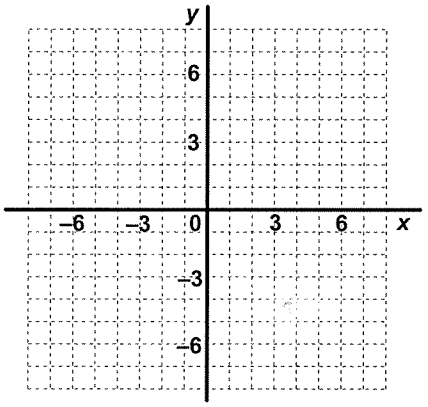
11. The line through the points $(-3,5)$ and $(-3,-2)$.



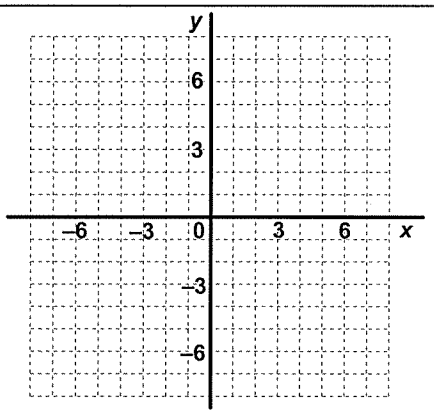
12. The line passing through the point $(-7,2)$ with slope $\frac{2}{7}$.



13. The line with slope $\frac{4}{3}$ and x-intercept -6.



14. The line with slope $\frac{1}{5}$ passing through the point $(-5,-7)$.



15. The line with slope -6 passing through the point $(1,1)$.

Answers:

1. $y=3x-1$
2. $y=4x-4$
3. $y=\frac{1}{3}x-4$
4. $y=-x+1$
5. $y=-\frac{3}{4}x$
6. $y=-\frac{2}{3}x+4$
7. $y=\frac{3}{2}x+6$
8. $y=\frac{2}{7}x-2$
9. $y=\frac{1}{2}x+\frac{3}{2}$
10. $y=-5$
11. $x=-3$
12. $y=\frac{2}{7}x+4$
13. $y=\frac{4}{3}x+8$
14. $y=\frac{1}{5}x-6$
15. $y=-6x+7$