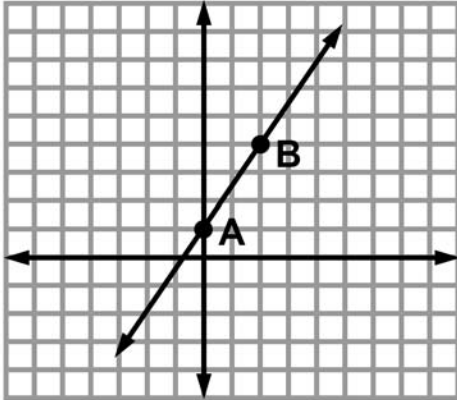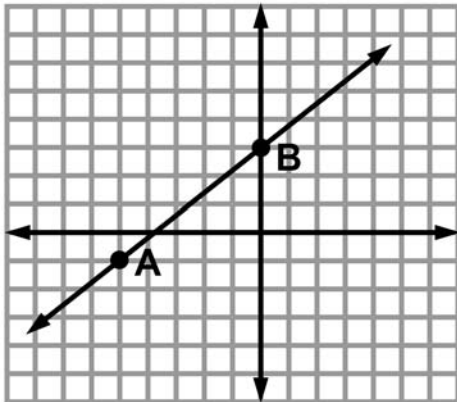## Writing Equations of Lines - Using Graphs & Slope-Intercept Form
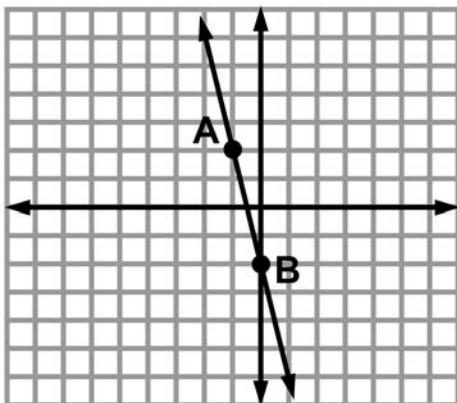
1. Write the equation of the given line in slope-intercept form.
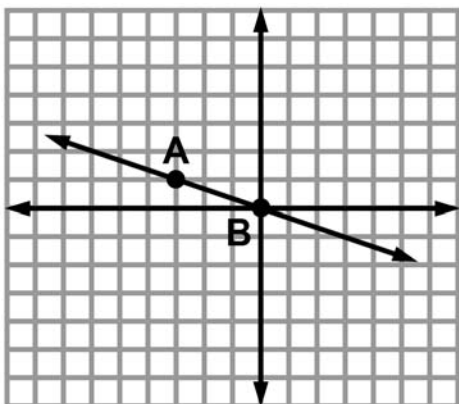

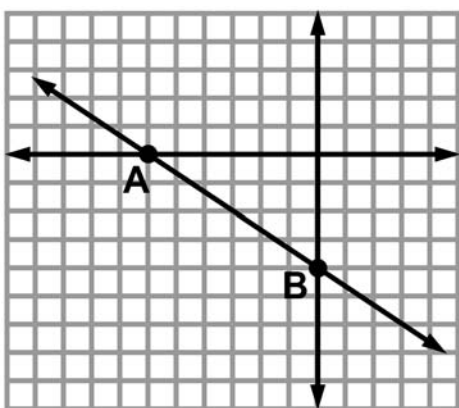2. Write the equation of the given line in slope-intercept form.

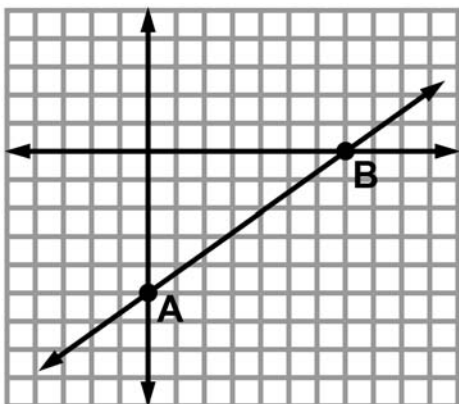3. Write the equation of the given line in slope-intercept form.

4. Write the equation of the given line in slope-intercept form.

5. Write the equation of the given line in slope-intercept form.

6. Write the equation of the given line in slope-intercept form.

7. A line has a slope of $\frac{5}{2}$ and passes through the point (-2, -3). Use a graph to write its equation in slope-intercept form.

8. A line has a slope of $-\frac{2}{7}$ and passes through the point (-7, 1). Use a graph to write its equation in slope-intercept form.

9. A line has a slope of $-\frac{2}{3}$ and passes through the point (-6, 5). Use a graph to write its equation in slope-intercept form.

10. A line has a slope of $\dfrac{3}{4}$ and passes through the point (8, 1). Use a graph to write its equation in slope-intercept form.

11. A line has a slope of -3 and passes through the point (2, -9). Use a graph to write its equation in slope-intercept form.

12. A line has a slope of 2 and passes through the point (-3, -2). Use a graph to write its equation in slope-intercept form.

13. Use a graph to write a rule for the linear function that passes through the point (12, 0) and has a slope of $-\dfrac{1}{4}$.

14. Use a graph to write a rule for the linear function that passes through the point (6, 7) and has a slope of $\dfrac{5}{6}$.

15. Use a graph to write a rule for the linear function that passes through the points (1, 7) and (6, -3).

16. Use a graph to write a rule for the linear function that passes through the points (2, -2) and (8, 7).

17. Use a graph to write a rule for the linear function that passes through the points (-1, 8) and (-4, -1).

18. Use a graph to write a rule for the linear function that passes through the points (-15, -4) and (-5, -2).

19. A line passes through the points (-2, -4) and (4, -1). Use a graph to write its equation in slope-intercept form.

20. A line passes through the points (3, -4) and (-6, 8). Use a graph to write its equation in slope-intercept form.

21. A line passes through the points (-5, 1) and (4, -5). Use a graph to write its equation in slope-intercept form.

22. A line passes through the points (7, 5) and (-5, 2). Use a graph to write its equation in slope-intercept form.

23. A line passes through the points (2, -1) and (6, 9). Use a graph to write its equation in slope-intercept form.

24. A line passes through the points (1, 3) and (6, -1). Use a graph to write its equation in slope-intercept form.