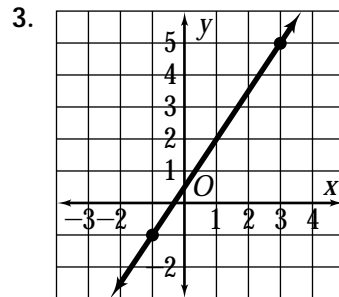
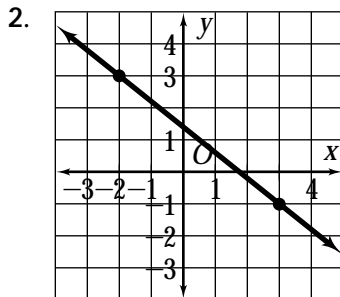
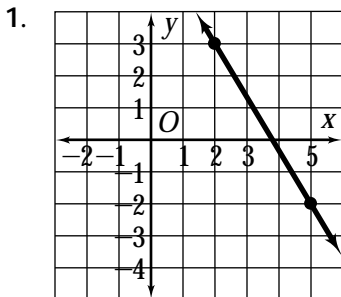


# Practice 5-1

## Example Exercises

### Example 1 and Example 2

Find the slope of each line.



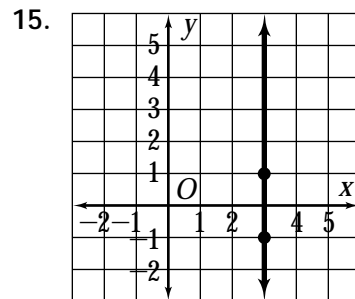
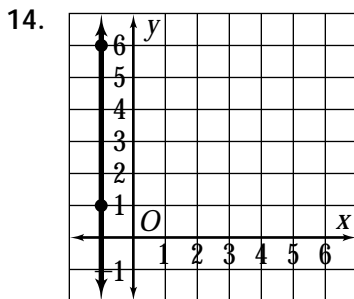
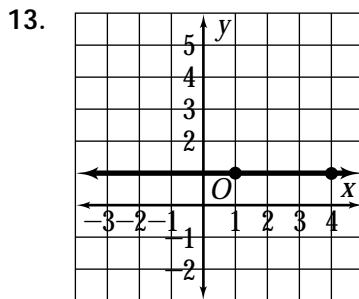
### Example 3

Find the slope of the line passing through each pair of points.

- |   |                        |   |
|---|------------------------|---|
| 4. (3, 4), (6, 9)                         | 5. (-2, 7), (3, -8)    | 6. (-1, -6), (4, -2)                      |
| 7. (5, 0), (10, 5)                        | 8. (-2, -2), (-4, -12) | 9. (1, 1), (-3, -7)                       |
| 10. $(\frac{1}{2}, 3), (\frac{5}{2}, 11)$ | 11. (0, 9), (9, 0)     | 12. $(-8, \frac{1}{4}), (8, \frac{1}{4})$ |

### Example 4

Find the slope of each line using the points shown.



### Example 5

Through the given point, graph a line with the given slope.

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 16. (5, 2); slope = 3              | 17. (-2, 1); slope = -2             |
| 18. (1, -1); slope = $\frac{2}{3}$ | 19. (3, -2); slope = $-\frac{3}{2}$ |
| 20. (3, -1); slope = 0             | 21. (-2, -1); undefined slope       |