7-7 Skills Practice

Writing Linear Functions

Write an equation in slope-intercept form for each line.

1. slope = 7,
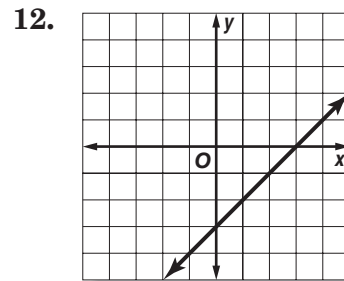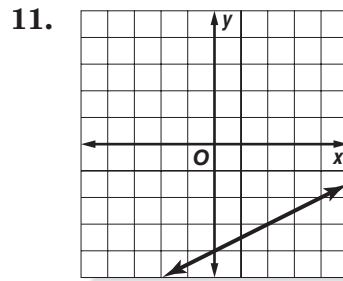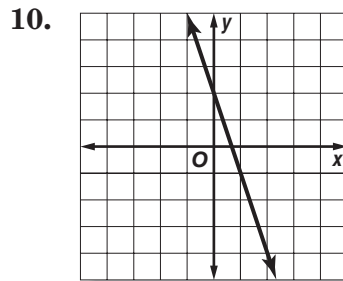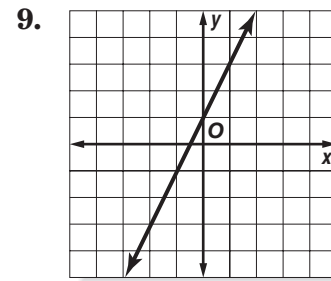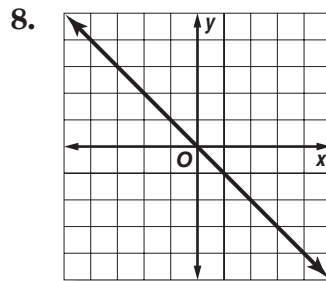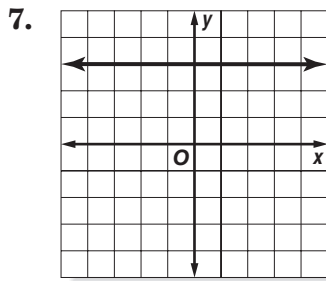y-intercept = 2

2. slope = −5,
y-intercept = −3

3. slope = $\frac{3}{5}$,
y-intercept = 6

4. slope = −6,
y-intercept = 7

5. slope = $\frac{2}{7}$,
y-intercept = 1

6. slope = $\frac{4}{3}$,
y-intercept = −4

7.

8.

9.

10.

11.

12.

Write an equation in slope-intercept form for the line passing through each pair of points.

13. (9, −1) and (6, −2)

14. (12, 5) and (−4, 1)

15. (10, −6) and (−2, −6)

16. (4, 6) and (1, 3)

17. (6, 3) and (−6, 9)

18. (8, −4) and (−4, −1)

19. (5, 0) and (2, −3)

20. (12, −2) and (6, 2)

21. (−5, 10) and (3, −6)

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