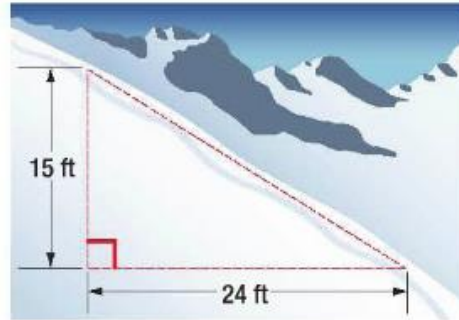# HW 2-1: Slope

1. **Find the slope of the storage shed's roof.**

3 ft
15 ft

2. **Find the slope of a ski run that descends 15 feet for every horizontal change of 24 feet.**

15 ft
24 ft

Find the slope of the line that contains the two points.

3. $(-3, 5)$ and $(4, -2)$

6. $(4, 3)$ and $(1, 2)$

4. $(6, -2)$ and $(4, -2)$

7. $(5, -3)$ and $(5, 7)$

5. $(0, 2)$ and $(5, 0)$

8. $(0, 1)$ and $(-5, -2)$

Use the tables to find the slope of the line that contains the following points.

9.

x	y
5	11.5
8	10
11	8.5

10.

x	y
−3	−4
−1	−8
4	−18

11.

x	y
−2	8
0	6
10	−4

12.

x	0	2	4	6
y	9	4	−1	−6

13.

x	0	1	2	3
y	3	5	7	9

14.

x	−3	3	9	15
y	−3	1	5	9

15.

x	−3	−1	2	7
y	10	4	−5	−20

Pick two points on the line; then find the slope of the line.

16.

20.

17.

21.

18.

22.

19.

23.
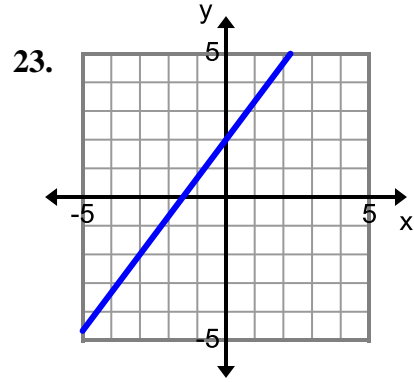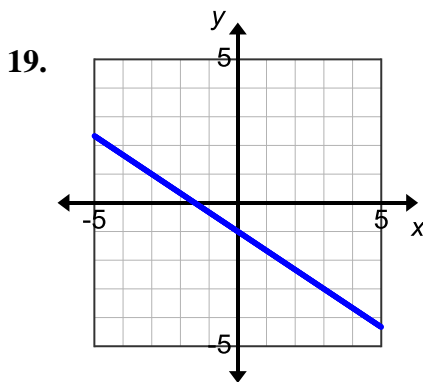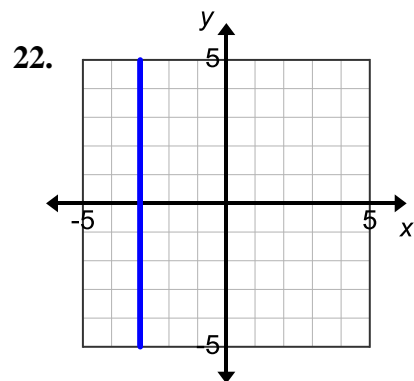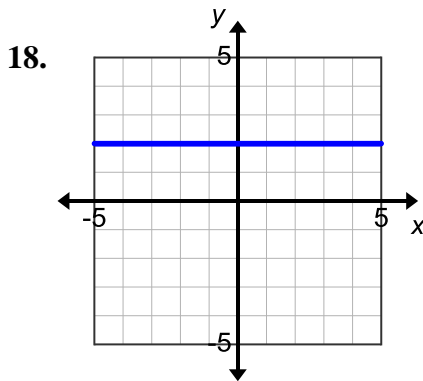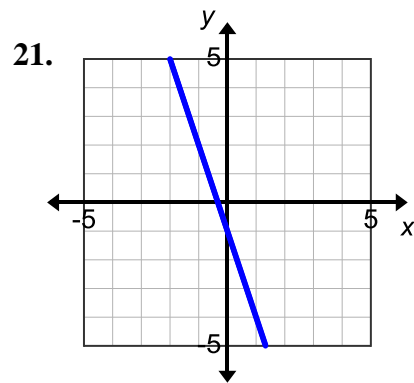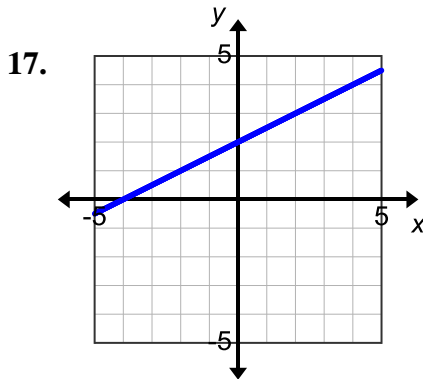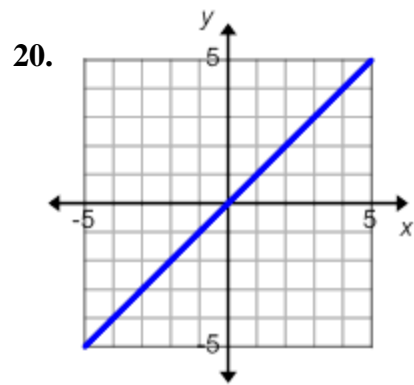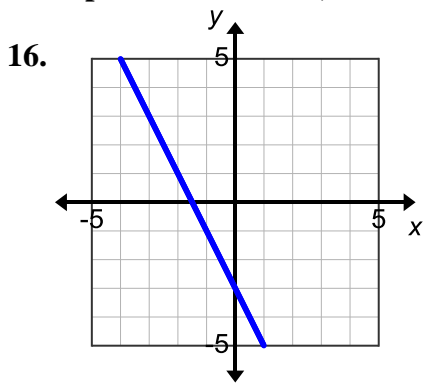
For problems 24-27, circle the best answer.

24. **A line with a negative slope…**

    A. falls from left to right
    B. rises from left to right
    C. is horizontal
    D. is vertical

26. **A line with a slope of zero…**

    A. falls from left to right
    B. rises from left to right
    C. is horizontal
    D. is vertical

25. **A line with a positive slope…**

    A. falls from left to right
    B. rises from left to right
    C. is horizontal
    D. is vertical

27. **A line with an undefined slope…**

    A. falls from left to right
    B. rises from left to right
    C. is horizontal
    D. is vertical