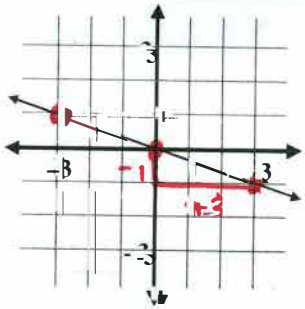


Solutions to WS 27.1 – Slope, #1-27 odd

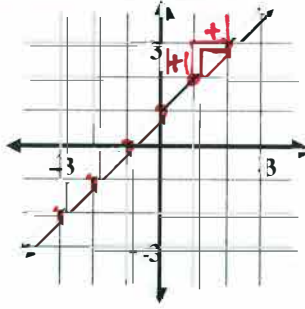
Find the slope of each line.

1.



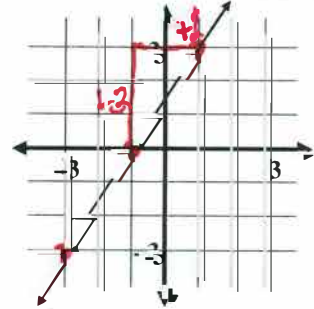
$$m = -\frac{1}{3}$$

3.



$$m = \frac{1}{1} \text{ or } m = 1$$

5.



$$m = \frac{3}{1}$$

Find the slope for each rise and run.

7) rise = 1, run = 5

$$m = \frac{1}{5}$$

9) rise = 4, run = 1

$$m = \frac{4}{1} \text{ or } 4$$

11) rise = 3, run = 10

$$m = \frac{3}{10}$$

13) rise = 0, run = 3

$$m = \frac{0}{3} \text{ or } 0$$

Find the slope of the line that contains each pair of points.

Slope Formula: $m = \frac{y_2 - y_1}{x_2 - x_1}$

15) (3, 9) and (1, 5)

$$m = \frac{(9) - (5)}{(3) - (1)} = \frac{4}{2} = 2$$

17) (3, -2) and (-1, 3)

$$m = \frac{(-2) - (3)}{(3) - (-1)} = \frac{-5}{4}$$

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INTENTIONALLY
LEFT BLANK

19) (-3, 0) and (4, -2)

$$m = \frac{(0) - (-2)}{(-3) - (4)} = \frac{2}{-7} = -\frac{2}{7}$$

21) (-8, 2) and (-3, 6)

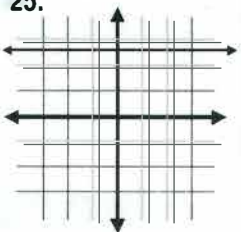
$$m = \frac{(2) - (6)}{(-8) - (-3)} = \frac{-4}{-5} = \frac{4}{5}$$

23) (3, 7) and (-1, 0)

$$m = \frac{(7) - (0)}{(3) - (-1)} = \frac{7}{4}$$

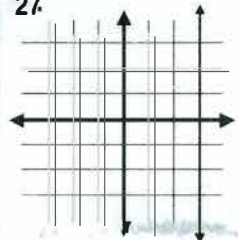
Positive Slope? Negative Slope? Neither?

25.



Neither.
Horizontal lines
have slope 0.

27.



Neither.
Vertical lines
have undefined slope.