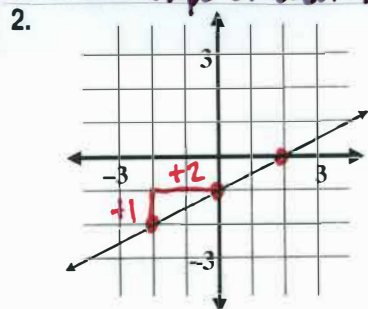
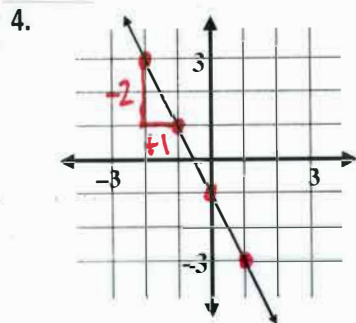


Solutions to WS 27.1 - Slope, #2-28 even

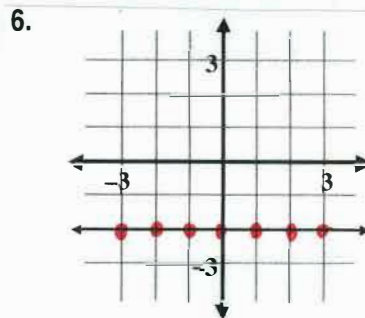
Find the slope of each line.



$$m = \frac{1}{2}$$



$$m = -\frac{2}{1} \text{ OR } m = -2$$



$$m = 0$$

Find the slope for each rise and run.

⑧ rise = -9, run = 7

$$m = -\frac{9}{7}$$

⑩ rise = 6, run = -3

$$m = \frac{6}{-3} \text{ OR } -2$$

⑫ rise = -8, run = -2

$$m = \frac{-8}{-2} \text{ OR } 4$$

⑭ rise = 3, run = 0

$$m = \frac{3}{0} \text{ OR } \text{undefined}$$

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

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

⑯ (7, 5) and (2, 4)

$$m = \frac{(5) - (4)}{(7) - (2)} = \frac{1}{5}$$

⑰ (-3, -1) and (-1, -2)

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

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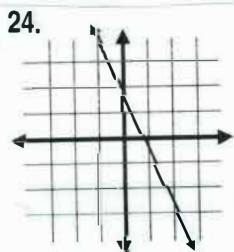
⑳ (2, 6) and (-4, 6)

$$m = \frac{(6) - (6)}{(2) - (-4)} = \frac{0}{6} = 0$$

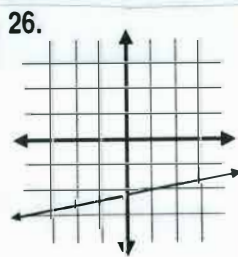
㉑ (7, 1) and (7, 4)

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

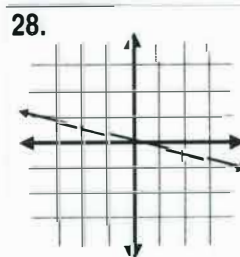
Positive slope? Negative slope? Neither?



Negative slope



Positive slope



Negative Slope