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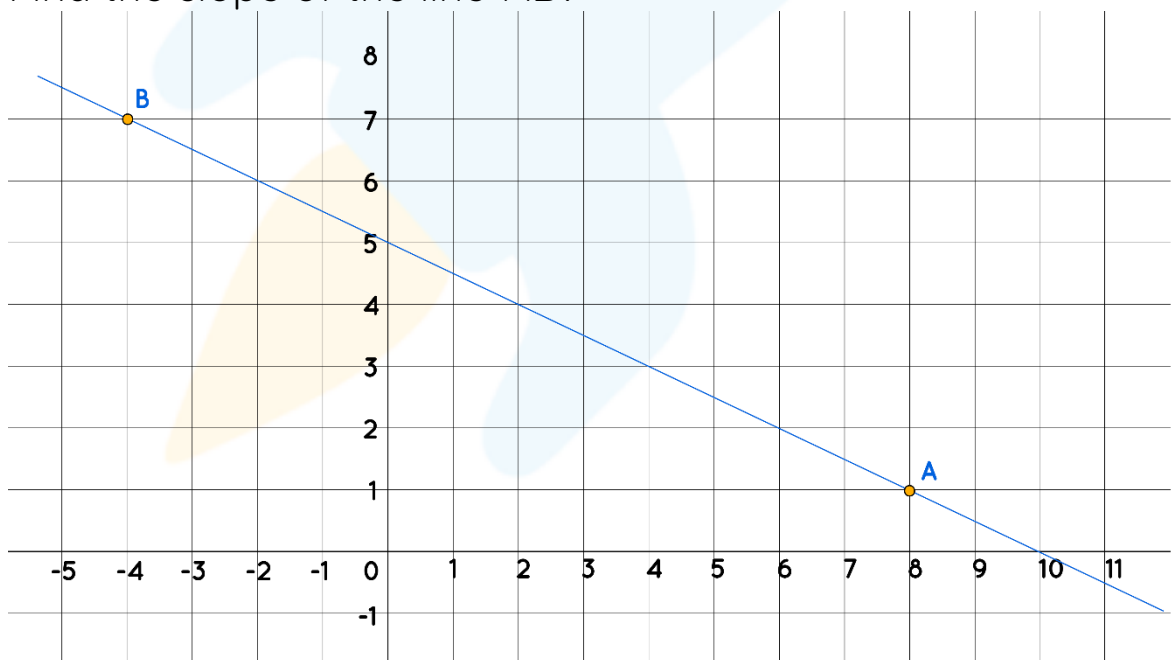
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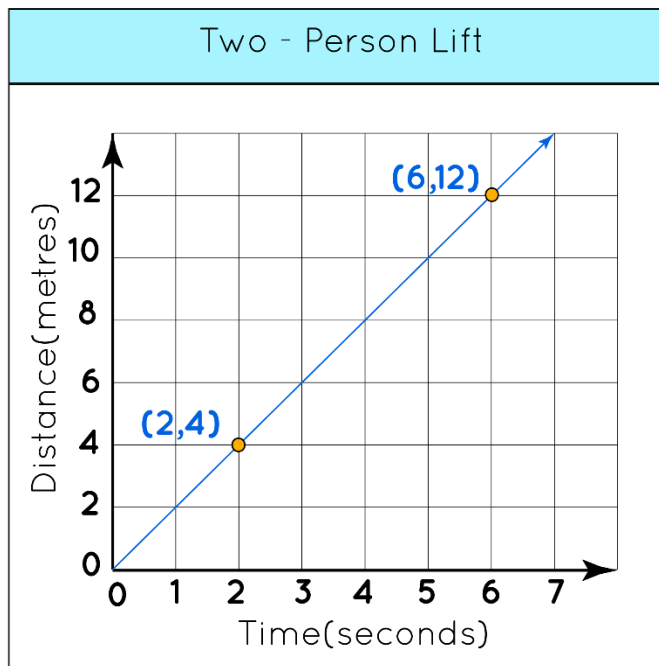
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FINDING SLOPE WORKSHEETS

- 1) The slope of the line that passes through the points (1, 27) and (8, 3) is ____.
- 2) The slope of the line that passes through the points (-8, 3) and (4, 2) is ____.
- 3) The slope of the line that passes through the points (2, 10) and (3, 5) is ____.
- 4) The slope of the line that passes through the points (3, 6) and (-2, 6) is ____.
- 5) Find the slope of the line \overleftrightarrow{AB} .



- 6) The graph shows the distance travelled by a three-person lift.



Find the slope of the line.

- 7) A table shows the altitude y (in miles) of a rocket x minutes after its launch. Find and interpret the slope of the line joining the following pairs of points.



- 8) Match the following lines (where two points of it are given) with their slopes.

a. (1, 1) (2, -3)	1. $\frac{1}{2}$
b. (0, 3) (5, 4)	2. -2
c. (6, 3) (-4, -2)	3. $\frac{1}{5}$
d. (0, 7) (3, 1)	4. -4

9) The slope of a line joining two points $(-7, 5)$ and $(2, k)$ is $-\frac{2}{9}$. Find k .

10) A car rental in a city rents its cars for an upfront fee and a daily fee based on the number days the car was rented. Drake rented a car and saw that he owed \$62 after 4 days and \$86 after 7 days when he returned the car. Find the daily fee.

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- Gary Schwartz

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	$-\frac{24}{7}$
2)	$-\frac{1}{12}$
3)	-5
4)	0
5)	$-\frac{1}{2}$
6)	2
7)	$\frac{7}{2}$; It is the number of miles traveled by the rocket in 1 minute.
8)	a) 4 b) 3 c) 1 d) 2
9)	3
10)	\$8

FUN FACT

- 1) The slope of a line that passes through two points (x_1, y_1) and (x_2, y_2) is $\frac{y_2 - y_1}{x_2 - x_1}$.
- 2) The slope of a horizontal line is always 0.
- 3) The slope of a vertical line is always undefined.

