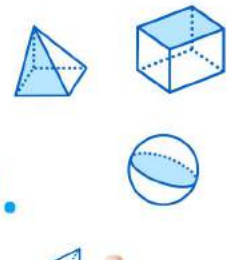
cuemath
THE MATH EXPERT

Get better at Math. Get better at everything.



Come experience the Cuemath methodology and ensure your child stays ahead at math this summer.

Adaptive Platform | **Interactive Visual Simulations** | **Personalized Attention**

For Grades 1 - 10

LIVE online classes by trained and certified experts.

Get the Cuemath advantage

Book a FREE trial class

cuemath
THE MATH EXPERT

Finding Slope and Y Intercept Worksheets

1) The slope of the line that passes through the points (-2, 11) and (-2, 6) is ___

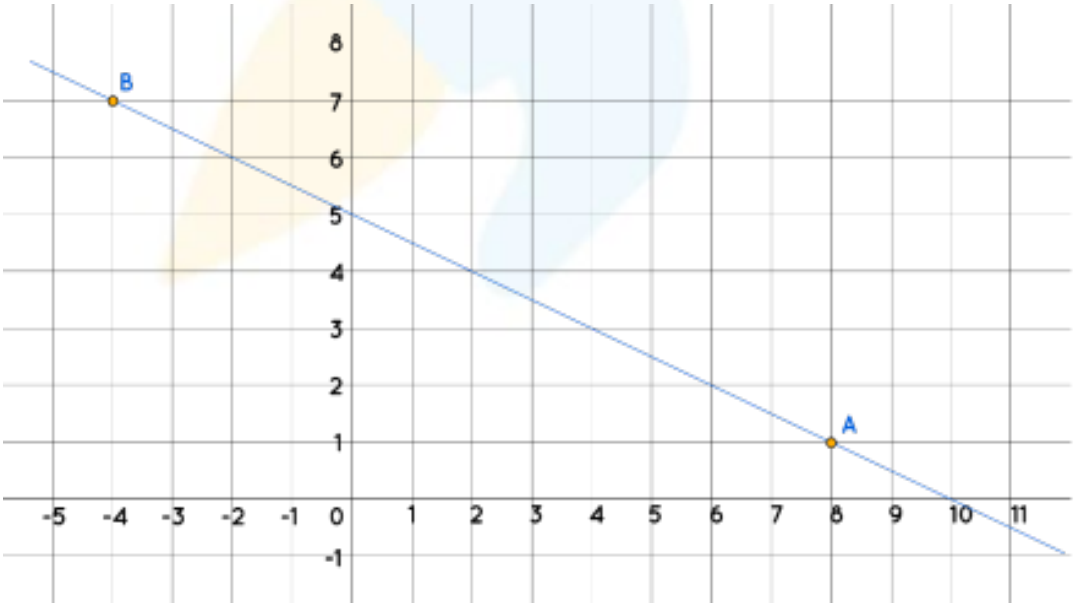
2) The slope of the line that passes through the points (3, 5) and (-7, 5) is ___

3) The slope of the line that passes through the points (7, -5) and (3, -4) is ___

4) The slope of the line that passes through the points (1, 27) and (8, 3) is ___

5) The graph shows the distance travelled by a three-person lift passes through the points (6, 10) and (5, 4). Find the slope of the line joining these two points.

6) Find the slope of the line AB.



7) If the slope of the line passing through the points (1, k) and (7, -9) is -1, find k.

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) 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.

x	1	3	7	11
y	5	12	26	40

10) Are the following points collinear? Justify your answer. Hint: Check whether the slope of AB = slope of AC.
A (-10, 0), B (0, 5), and C (-4, 3).

cuemath
THE MATH EXPERT

When you learn math in an interesting way, you never forget.

25 Million
Math classes & counting

100K+
Students learning Math the right way

20+ Countries
Present across USA, UK, Singapore, India, UAE & more.

Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- 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

Get the Cuemath advantage

Book a FREE trial class

ANSWERS

1)	Undefined
2)	0
3)	-1/4
4)	-24/7
5)	6
6)	-1/2
7)	-3
8)	a)4 b)3 c)1 d)2
9)	7/2. It is the number of miles traveled by the rocket in 1 minute.
10)	Yes. Slope of AB=Slope of AC=1/2

cuemath
THE MATH EXPERT

FUN FACT

1. If the slope of the line is positive, it is increasing.
2. If the slope of the line is negative, it is decreasing.
3. If the slope of the line is 0, it is horizontal and hence it is parallel to x-axis.