

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

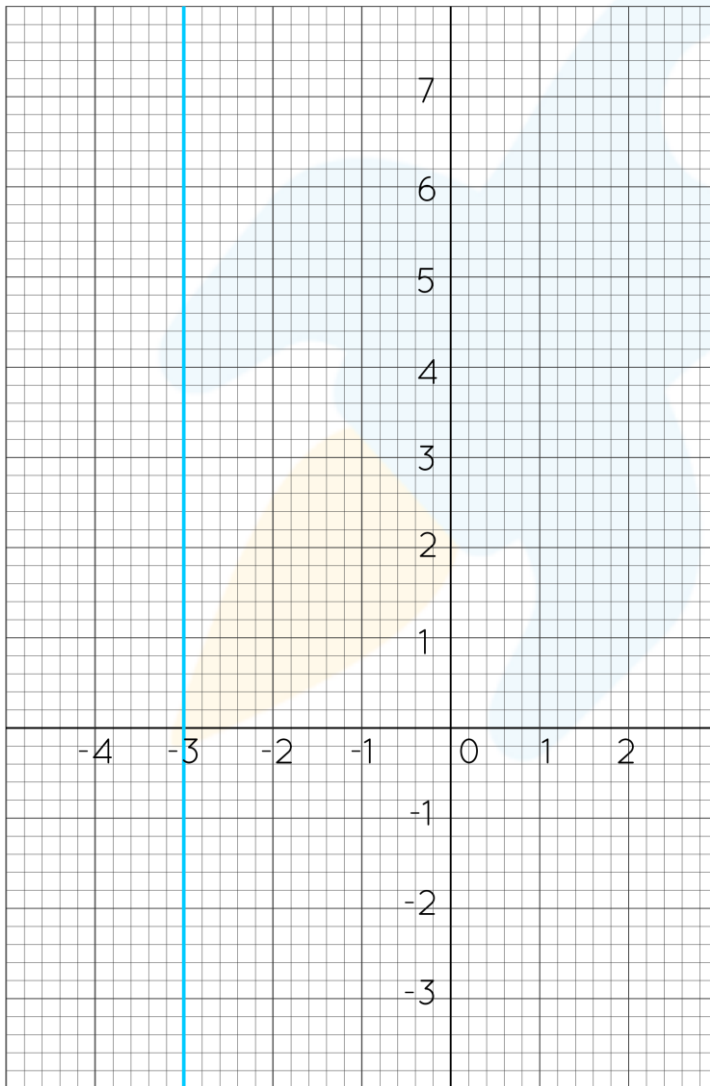
Book a FREE trial class

SLOPE-INTERCEPT FORM WORKSHEETS

For the questions from 1-3, write the slope and intercept of each line.

1. $y = -\frac{1}{2}x - 3$

2. $10x - 2y = -7$

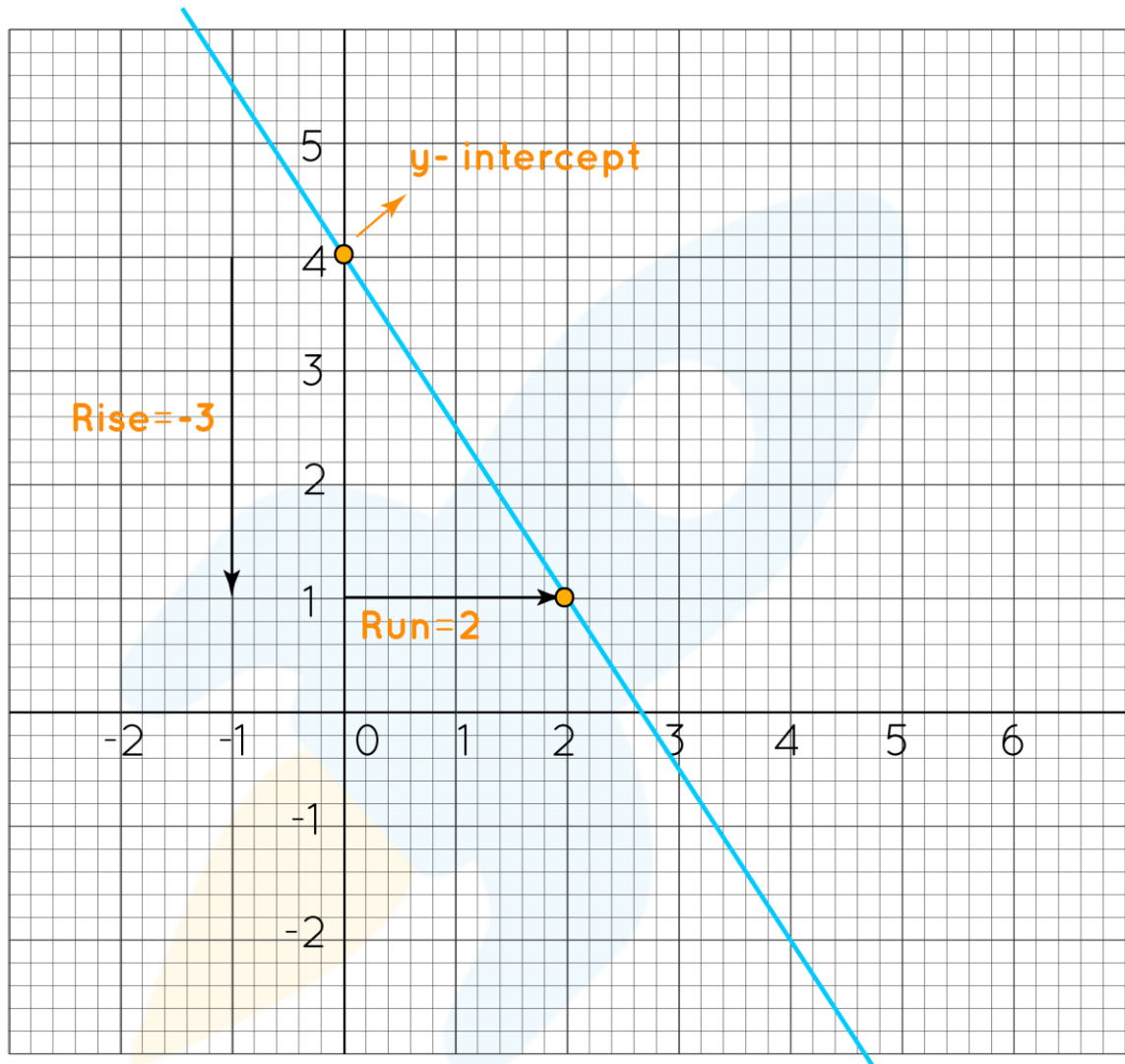


3.

For the questions from 4-6, write the equation of the line in the slope-intercept form using its slope and y-intercept.

4. Slope = $-\frac{2}{3}$; y-intercept = -5

5. Slope = -7; y-intercept = $\frac{5}{2}$



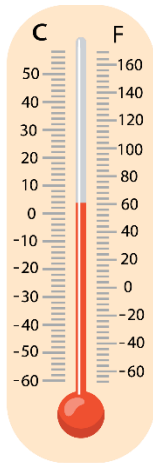
6.

7. Find the equation of the line that is parallel to the line $y = 2x - 3$ and passes through $(3, -2)$.

8. Find the equation of the line that is perpendicular to the line $y = -\frac{2}{3}x + 7$ and passes through $(1, -3)$.

9. The Fahrenheit temperature F and Celsius temperature C satisfy a linear equation. It is given that 0°C is equivalent to 32°F ; and 100°C is equivalent to 212°F . Then find the linear

equation that shows the relationship between F and C.



10. Find the equation of a line that passes through $(0, -7)$ and makes an angle of $\frac{\pi}{3}$ with the positive direction of the x-axis.

**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)	Slope = $-\frac{1}{2}$; y-intercept = -3
2)	Slope = 5; y-intercept = $\frac{7}{2}$
3)	Slope = Undefined; y-intercept = Does not exist.
4)	$y = -\frac{2}{3}x - 5$
5)	$y = -7x + \frac{5}{2}$
6)	$y = -\frac{3}{2}x + 4$
7)	$y = 2x - 8$
8)	$y = \frac{3}{2}x - \frac{9}{2}$
9)	$F = \frac{9}{5}C + 32$
10)	$y = \sqrt{3}x - 7$

FUN FACT

1. Two lines are said to be parallel if their slopes are equal.
2. Two lines are said to be perpendicular if the product of their slopes is -1 .
3. To find the slope of a line given its equation in terms of x and y , solve it for y to get it to the form $y = mx + b$. Then m is the slope of the equation.

