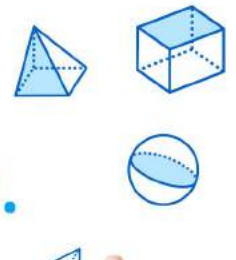
cuemath
THE MATH EXPERT

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

TRIGONOMETRY WORKSHEETS

1. If sin A = $\frac{5}{13}$, find: cos A and tan A

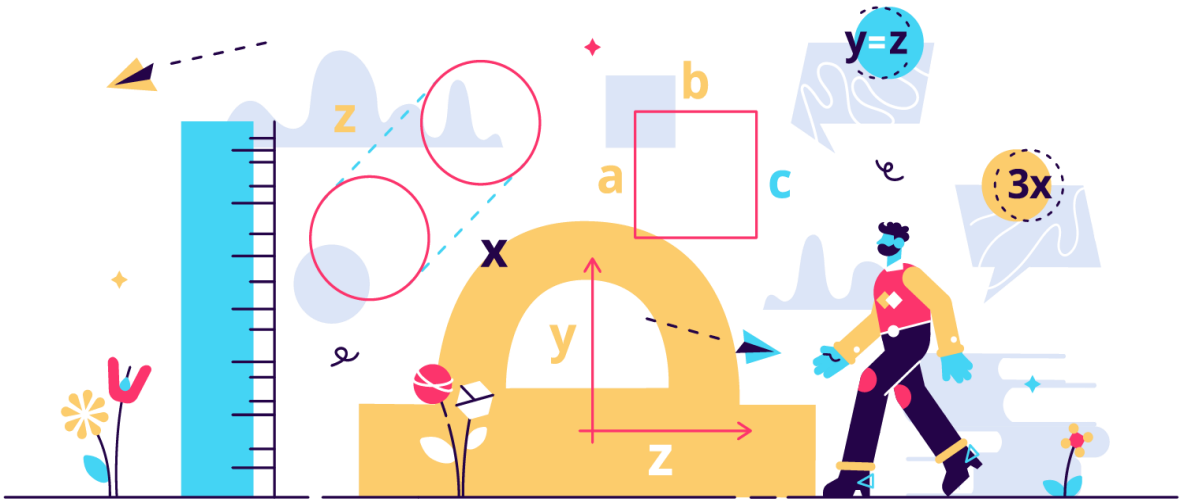
2. In a triangle, ABC, right-angled at B, AB = 7, BC 24. Find AC.

3. Given that cosec A = cosec C, then angle A = angle C?

a) True

b) False

4. Sin A = 1, find cos A and cot A.



5. If cosec A = $\frac{13}{5}$, then:

a) sin A = $\frac{5}{12}$

b) cos A = $\frac{12}{13}$

c) sec A = $\frac{13}{12}$

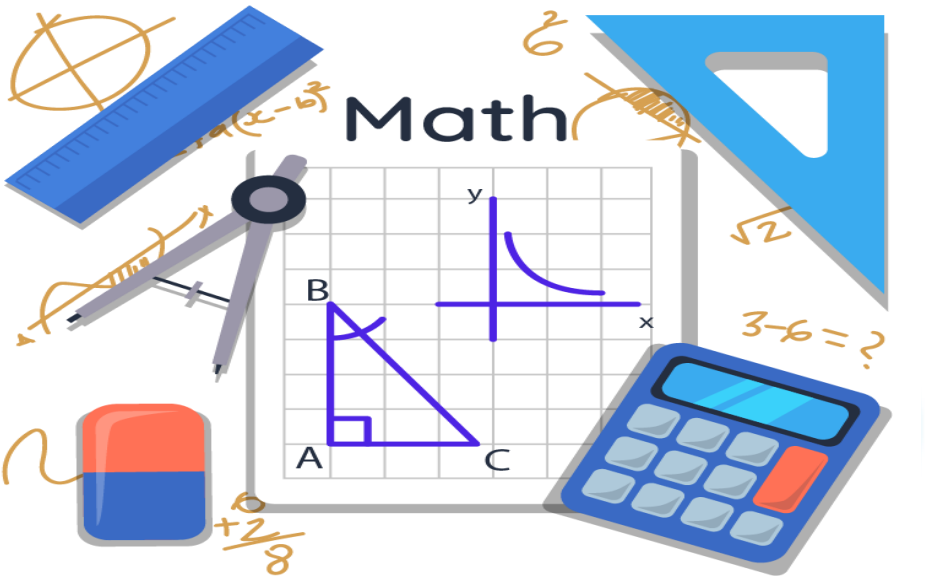
d) None of the above.

6. cot A = $\frac{12}{17}$ for some value of A.

a) True

b) False

7. In a triangle, PQR, right-angled at Q, PQ = 35 and PR =37. Then find sin P.



8. Given a triangle PQR, right-angled at Q such that AB = 35 and BC = 8. Match the following on the basis of the given data:

a- Sin A	p-$\frac{35}{37}$
b- cos A	q-$\frac{35}{8}$
c- tan A	r-$\frac{8}{37}$
d- tan C	s-$\frac{8}{35}$

9. If cosec C = $\frac{13}{12}$. Find tan C + cot C.

10. In a triangle IJK right-angled at J, IJ = 4, and IK – JK = 2. Find sin I and sin K

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.	cos A=$\frac{12}{13}$ and tan A = $\frac{5}{12}$
2.	25
3.	True
4.	cos A=0 and cot A=0
5.	b. cos A = $\frac{12}{13}$
6.	True
7.	$\frac{8}{37}$
8.	a-r, b-p, c-s, d-q
9.	2.8
10.	sin I = $\frac{3}{5}$ and sin K=$\frac{4}{5}$

cuemath
THE MATH EXPERT

FUN FACT

1. There are a total of 6 trigonometric ratios, three are main trigonometric ratios for right triangles, and three are reciprocals of trigonometric ratios.
2. Trigonometry helps in computing the angles and distances in fields such as astronomy, mapmaking, surveying, and artillery range finding.
3. The ‘metron’ means a measure and the word “trigonon” comes from the Greek word that means three angles and.