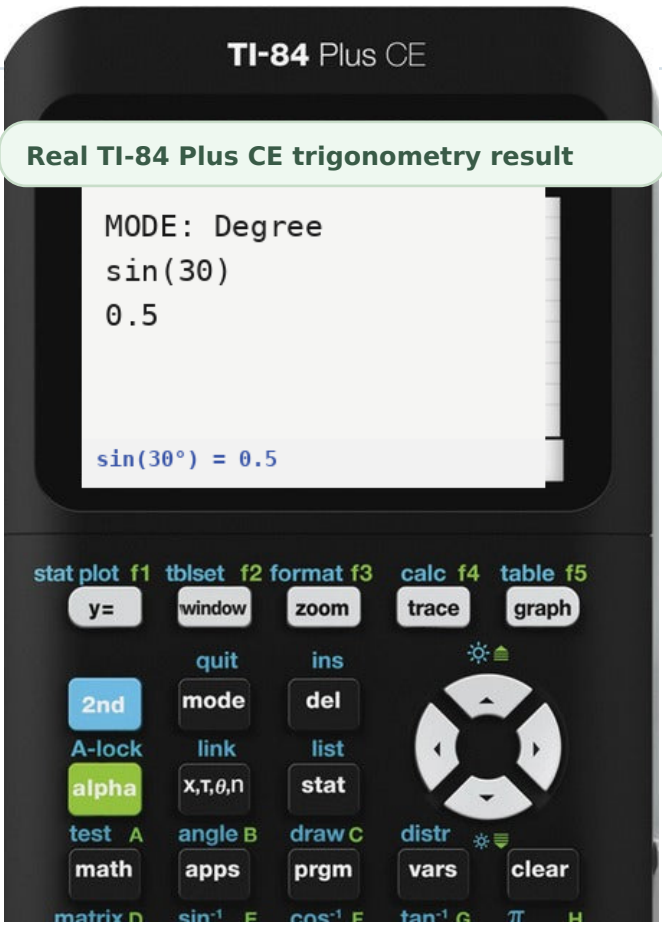
7. Trigonometry and angle mode

School-poster style • Example: sin(30°) = 0.5

C4C POSTER



What students should notic

- Angle mode must match the problem.
- Degree mode is correct for 30° here.
- SIN, COS and TAN evaluate trig ratios.

Teacher talk

Before calculating, ask: “Is this angle written in degrees or radians?”

Expected result

Students should obtain 0.5 and explain why Degree mode matters.

Key sequence MODE → Degree → SIN → 3 → 0 → ENTER

Check MODE

MODE → Degree

Open MODE and select Degree.

Enter sin(30)

SIN → 3 → 0

Use SIN, then type 30.

Press ENTER

ENTER

Evaluate the trigonometric expression.

Interpret 0.5

The expected value is 0.5 in Degree mode.

Trigonometry and angle mode: classroom supp

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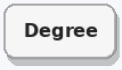
Key-by-key reminder, common mistakes, and a student challenge

Key-by-key reminder

MODE
Check Degree or Radian.



Degree
Use for angles marked °.

SIN
Evaluate sine.

ENTER
Evaluate the expression.

DEL
Edit one character.

CLEAR
Restart the entry.

5-minute classroom routine

- 1. Point out the degree symbol in the problem.
- 2. Check MODE.
- 3. Enter sin(30).
- 4. Press ENTER.
- 5. Repeat in Radian mode to show why mode matters.

Common mistakes to watch

- Using Radian mode for a degree problem.
- Changing mode but not returning to the home screen correctly.
- Assuming a strange result means the trig key is broken.

Student challenge / exit ticket

Try one of these follow-up tasks:

cos(60°)

tan(45°)

sin(90°)

Predict the familiar trig value, then confirm it in Degree mode.