

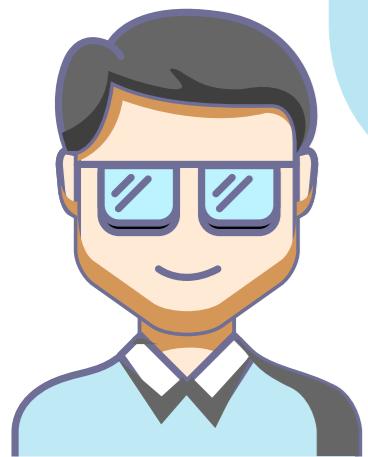
# Teacher-Guided Learning

**Question:** Solve the equation

$$3x^2 - 12 = 0$$

Here's how to solve this problem step by step.

1. Rearrange the equation to standard form:  $3x^2 = 12$
2. Divide both sides by 3:  $x^2 = 4$
3. Take the square root of both sides to solve for x:  $x = \pm 2$



OK, got it! I understand the basic approach now.

# Self-learning with Feedback

I met a **question**: ...

Based on my understanding, here's my solution approach:

1. Analyze the graph: ...
2. List equations: ...
3. Solution to the equations



Good attempt. However, **step 3** needs revision because **you made a calculation error** ...

I see my mistake now. Here's my improved solution after reflection:

1. Analyze the graph: ...
2. List equations: ...
3. Solution to the equations

