

Guidelines for Authoring and QC

Steps for Authoring and QC Process

A red speech bubble graphic with a white outline, pointing downwards. It contains the text "Step 1" in white. The background of the slide features faint, curved, concentric lines in light gray.

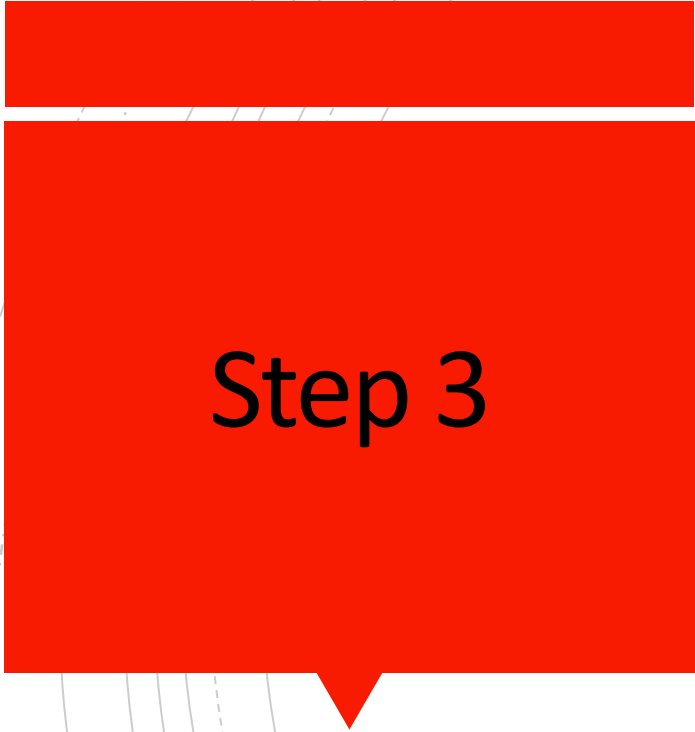
Step 1

Provide
introduction/overview
in the first step (include
the given information
and objective of the
question only).

A red speech bubble graphic with a white border, containing the text 'Step 2'. The bubble has a tail pointing towards the bottom left.

Step 2

Tag the question properly, do not select a random sub-subject or topic. The most relevant sub-subject and topic should be tagged to the question.

A red speech bubble graphic with a tail pointing downwards and to the left. The text "Step 3" is centered inside the bubble.

Step 3

Do not start the solution in any step with equation renderer or explanation block or any tool. First provide at least an explanation statement.

A red speech bubble graphic with a white outline, pointing downwards. It contains the text 'Step 4' in white. The background of the slide features faint, curved, concentric lines in light gray.

Step 4

In the explanation block of step 1, add the main concept or the formula, used to solve the particular problem should be mentioned.

A large red speech bubble with a white border, containing the text 'Step 5'. The bubble has a tail pointing towards the bottom left.

Step 5

Always give instruction in the commanding language. Do not use pronouns like I, we, us, you, etc.

A red speech bubble graphic with a white border, containing the text 'Step 6'.

Step 6

Do not use short forms in the solution. It has been observed that SME's mentioned 'eq' or 'eqn' for 'equation', which should be avoided.

Add an explanation
block in every step.

Step 7

A red speech bubble graphic with a white border, containing the text 'Step 8'. The bubble has a tail pointing towards the bottom left.

Step 8

If there is not any particular formula or concept used in the problem, then add basic properties used in that step. For example, distributive property, exponential property, etc.

A red speech bubble graphic with a small tail pointing downwards, containing the text 'Step 9'.

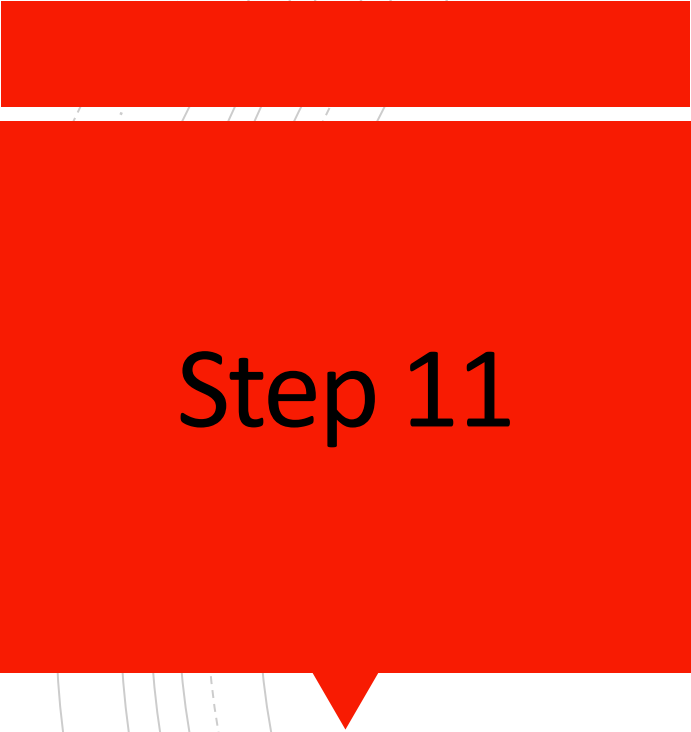
Step 9

If there are more than one formula in the explanation block, use bullets or numberings to make your solution more presentable.

A red speech bubble graphic with a white border, containing the text 'Step 10'. The bubble has a tail pointing towards the bottom left.

Step 10

Add a statement or explanation before the equation renderer where it should be mentioned about the calculation provided in the equation renderer.

A red speech bubble graphic with a white border, containing the text "Step 11".

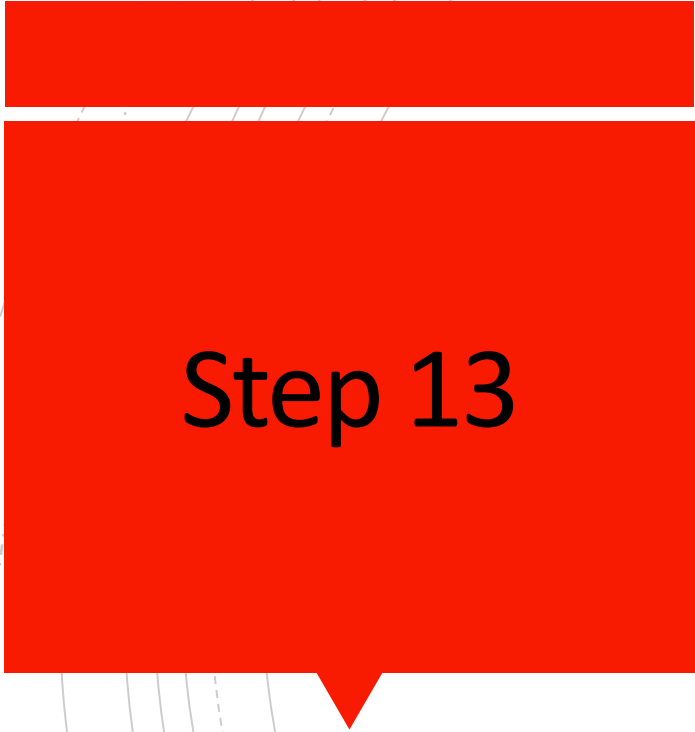
Step 11

Add a conclusive statement at the end of every step.

A red speech bubble graphic with a white border, containing the text 'Step 12'.

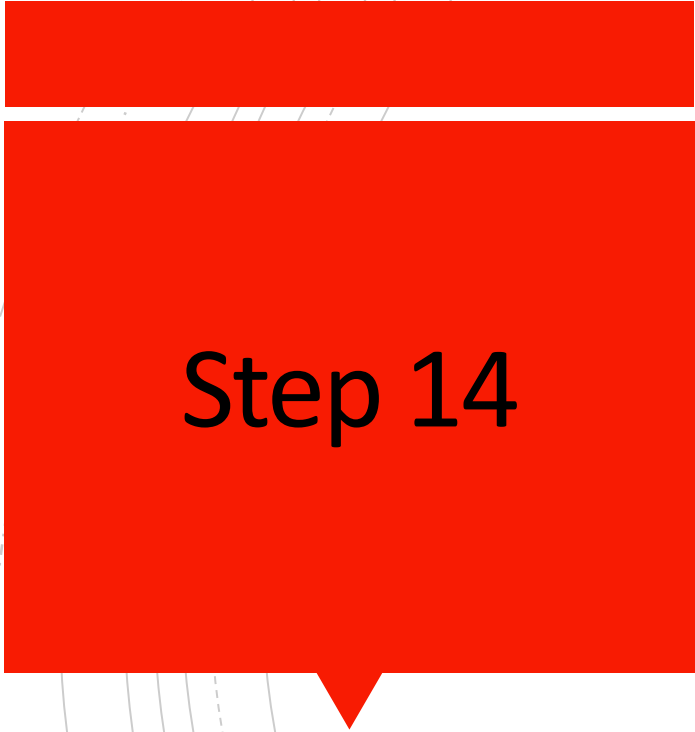
Step 12

If the final value is rounded off to 'n' decimal places, then mention it in the final step.

A red speech bubble graphic with a white border, containing the text 'Step 13'. The bubble has a tail pointing towards the bottom left.

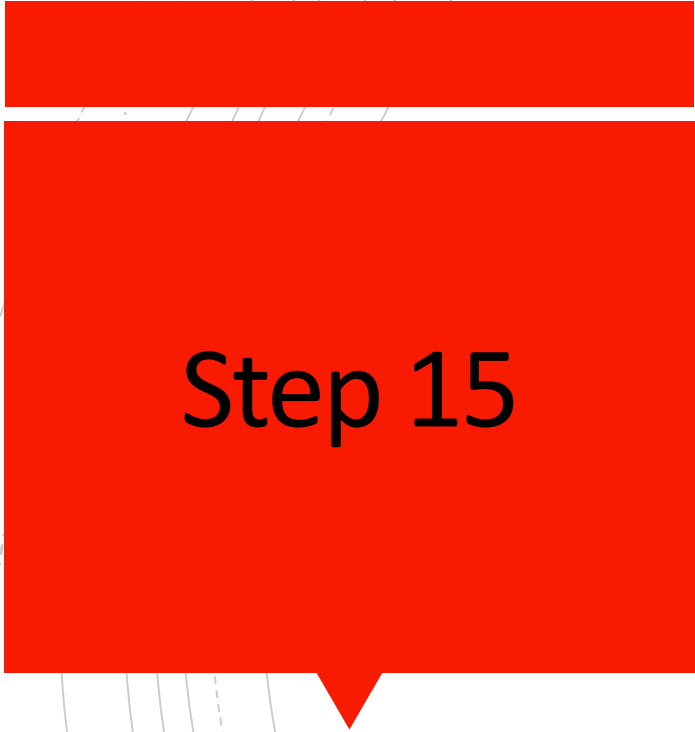
Step 13

Do not skip intermediate steps. For example whenever unit conversion is there, show the calculation step for the unit conversion.

A red speech bubble graphic with a white border, containing the text 'Step 14'. The bubble has a tail pointing towards the bottom left.

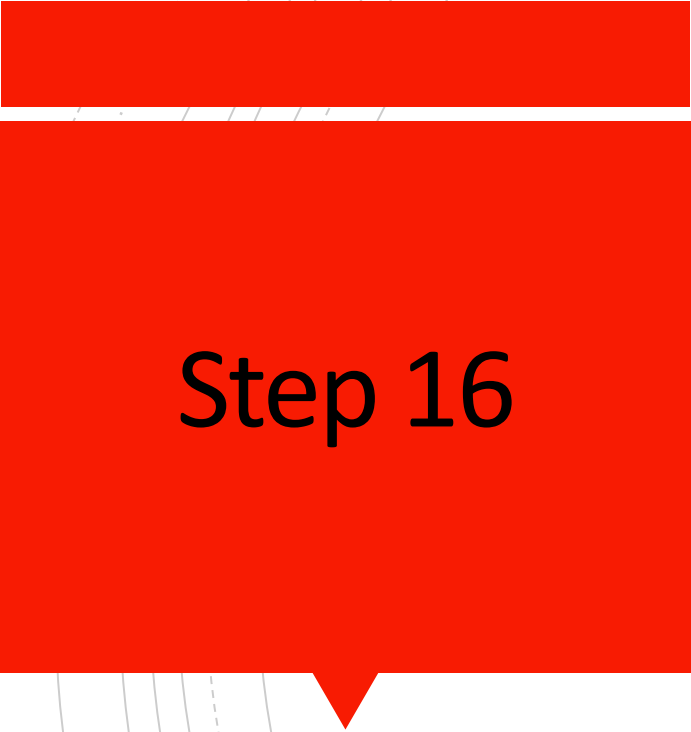
Step 14

Provide all the formulas used in the solution and mention the variables used in the formula.

A red speech bubble graphic with a tail pointing downwards, containing the text 'Step 15'.

Step 15

Whenever a graph is provided, add explanation or calculation about the method used to draw the graph.

A red speech bubble with a white border and a small tail pointing downwards, containing the text "Step 16".

Step 16

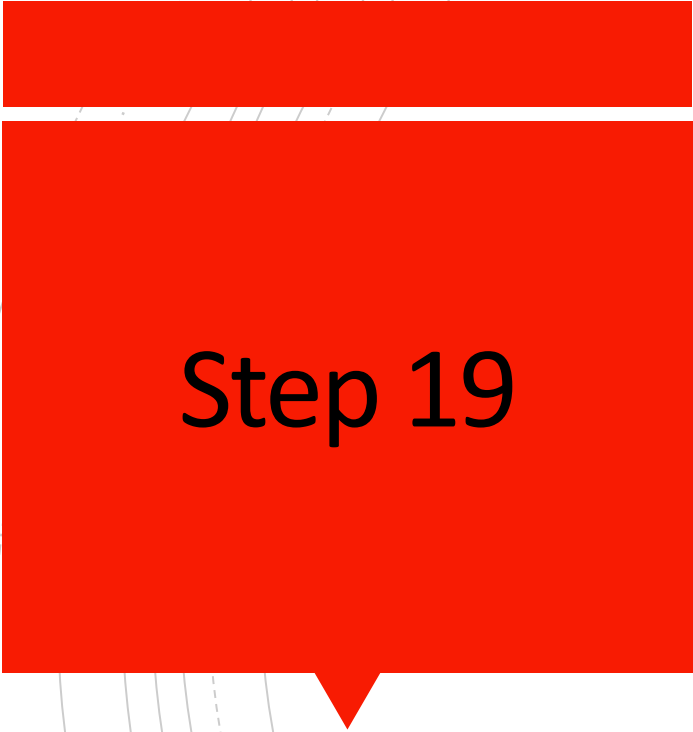
Write units in the inline math tool. Do not write units by using a text editor.

Step 17

⑩ Do not use inline math tools for multiline calculations, always use equation renderer.

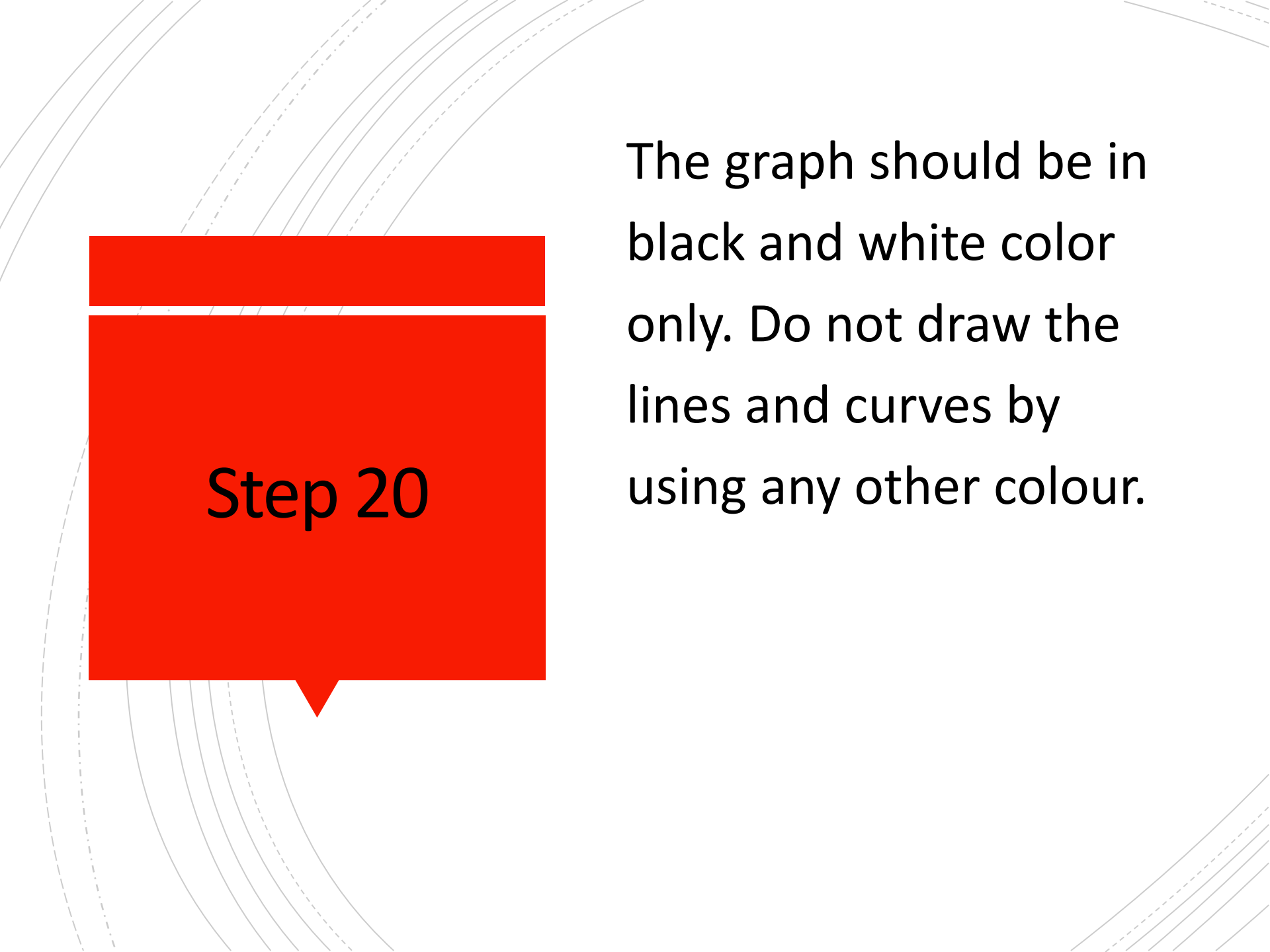
Do not write the text in
an inline math tool
unnecessarily.

Step 18

A red speech bubble with a white outline, containing the text 'Step 19'. The bubble has a tail pointing towards the bottom left.

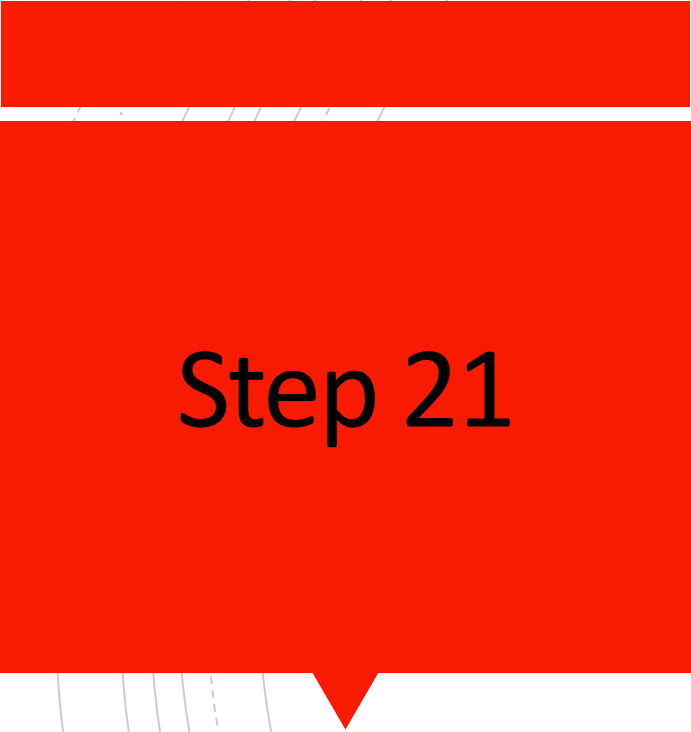
Step 19

The axes and the curves in the diagram should be properly labeled.

The background of the slide features several thin, curved lines in a light gray color, some solid and some dashed, creating a subtle geometric pattern.

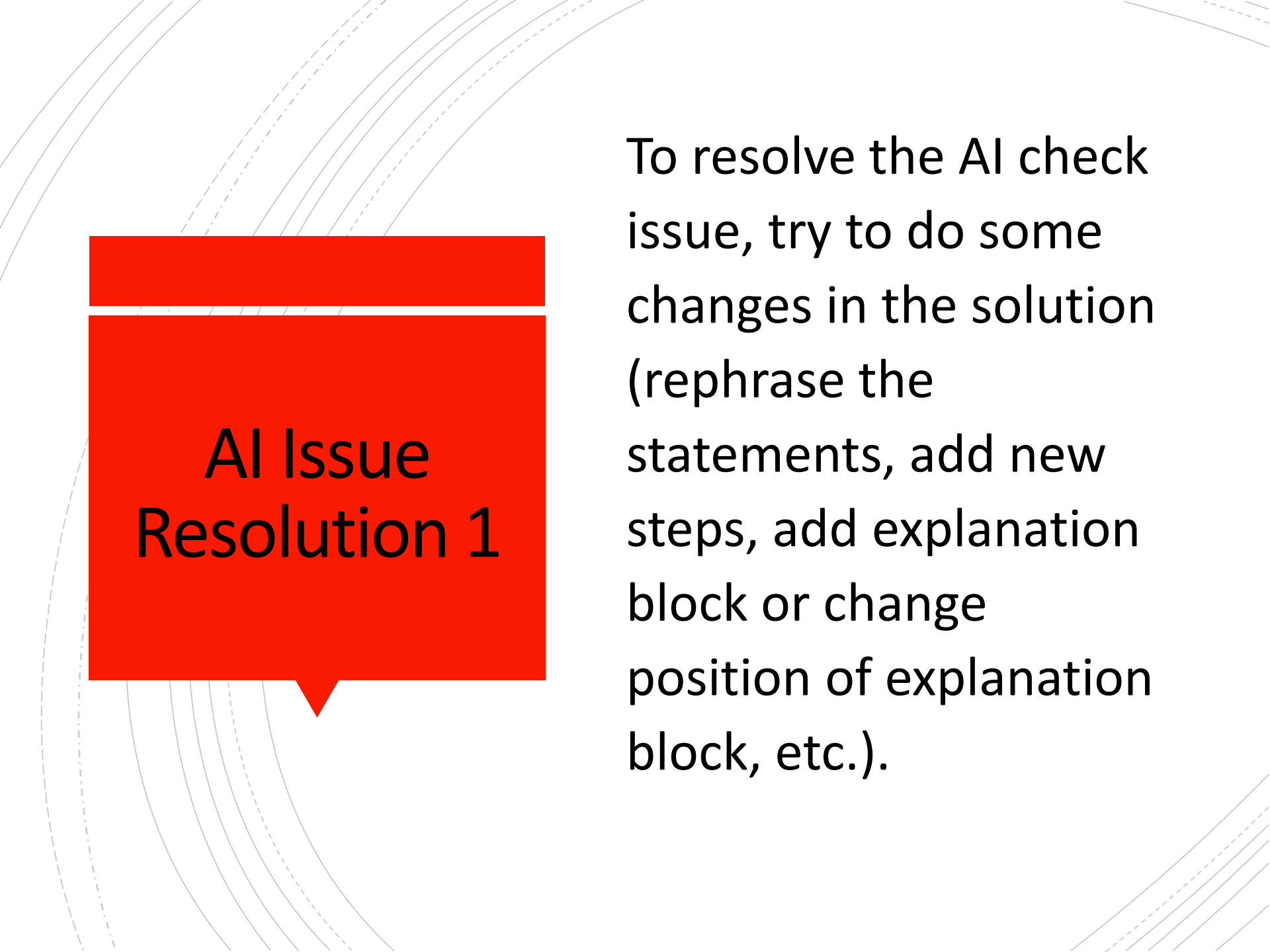
Step 20

The graph should be in black and white color only. Do not draw the lines and curves by using any other colour.

A red speech bubble graphic with a white border, containing the text 'Step 21'. The bubble has a tail pointing downwards and to the right.

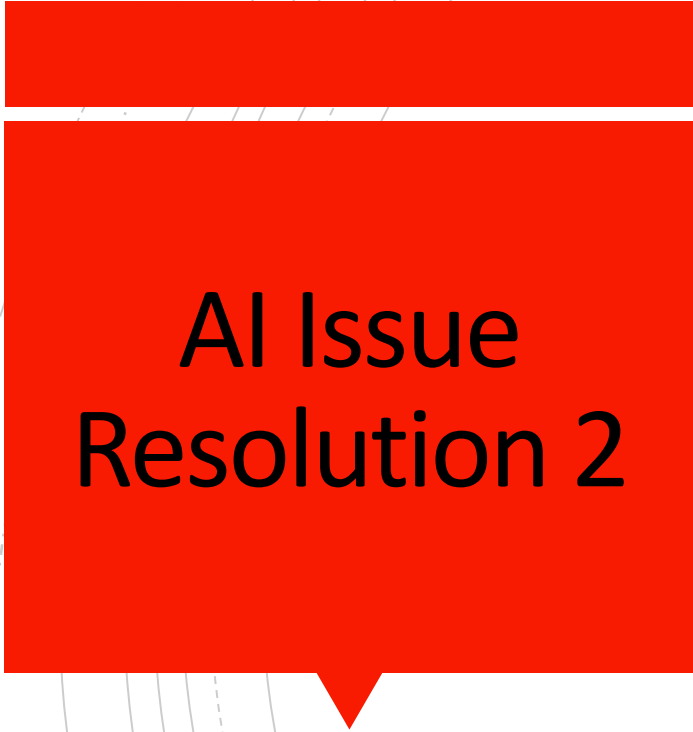
Step 21

To differentiate the curves (if required), mention the equation on the graph or use a different line style.



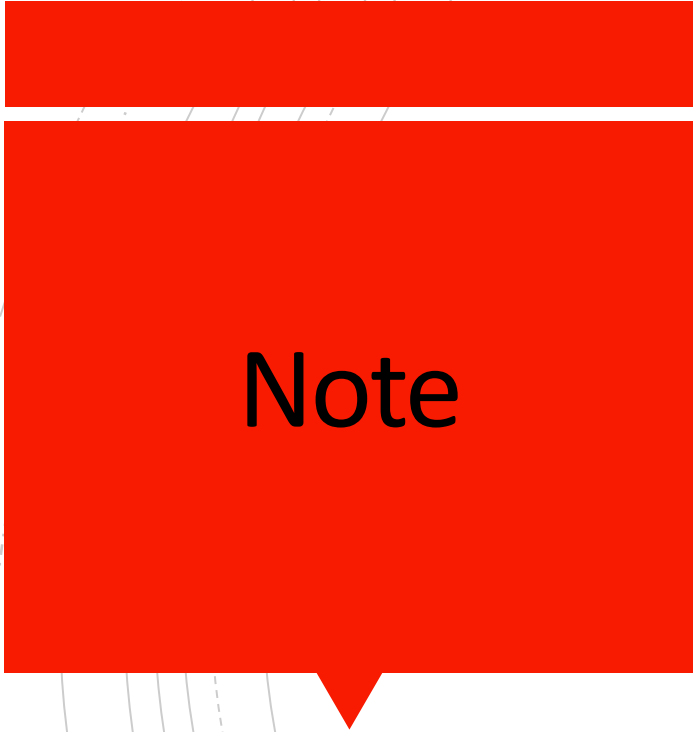
AI Issue Resolution 1

To resolve the AI check issue, try to do some changes in the solution (rephrase the statements, add new steps, add explanation block or change position of explanation block, etc.).

A red speech bubble graphic with a white outline, containing the text 'AI Issue Resolution 2'. The bubble has a tail pointing towards the bottom left.

AI Issue Resolution 2

Clear the cache and browsing history (do not clear the cookies and other site data). Wait for 5-10 minutes and then submit the solution.

A red rectangular box with a speech bubble tail pointing downwards, containing the word "Note".

Note

Do not mix the guidelines of QC and Authoring; the above guidelines should be followed while authoring the question only.