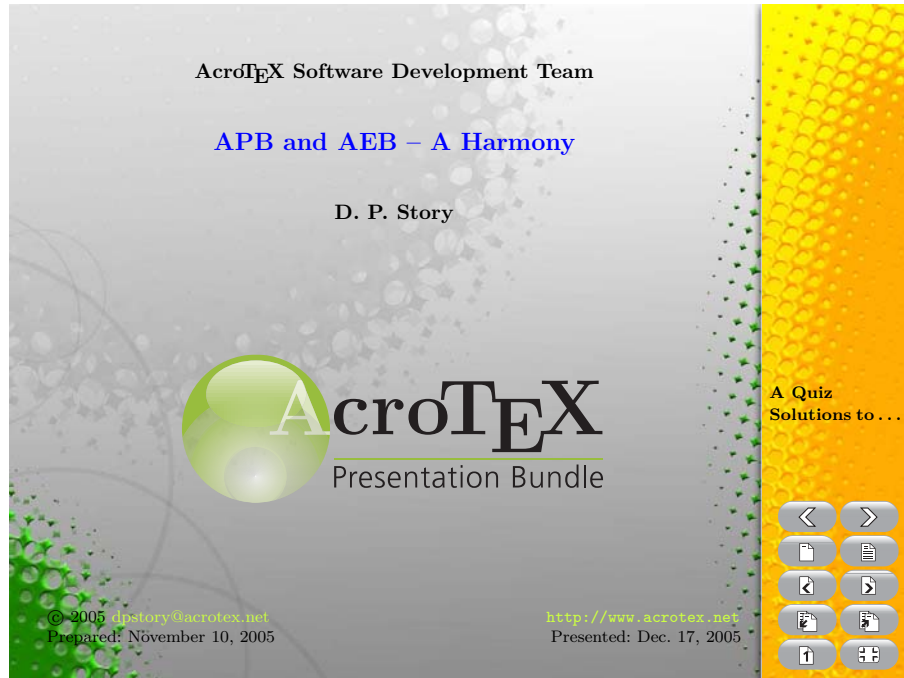


Notes for Quizzes

D. P. Story



Slide 1

Welcome to the wonderful world of “**Thumbnails**”.

- Click to > (top/right) from the navipanel to the right to get to the next page.
- Click on the Logo to go to the AcroTeX homepage.
- Click on the emailaddress to send a message.

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A Quiz

Use the > from the navbar in the middle at the bottom to run through this document. Follow the instructions that will appear in red on the right.

Begin Answer each of the following questions. Start the quiz by pressing the “Begin” button and afterwards > from the middle of the bottom navbar. Passing is 100 %.

1. If you mix the colors RED and YELLOW, what color do you get?

Turquoise

Violet

Orange

2. $\cos(\pi) =$ **Ans**

3. $\frac{d}{dx} x^2 =$ **Ans**

End **Score: 1 out of 3** **Correct**

Answers:

Make your choice for question #1.
 Fill in the correct number for question #2.
 Fill in the correct function #3.
 Finish the quiz by pressing the “End” button.
 Click on “Correct” to see the right solutions.
Note: Click on the green rectangle to jump to the solution to the first question.

Slide 2

Here some hints how to take a quiz:

- Start the quiz by pressing the “Begin” button and afterwards > from the middle of the bottom navbar.
- Make your choice for question #1.
- Fill in the correct number for question #2.
- Fill in the correct function #3.
- Finish the quiz by pressing the “End” button.
- Click on “Correct” to see the right solutions.

Note: Click on the green rectangle to jump to the solution to the first question.

Note also: Click on the “ANS” button to see the solutions to the second and third question in the “Answerbox”.

The screenshot shows a presentation slide with a gray background and an orange sidebar on the right. The slide title is "Solutions to Quiz" in green. Below the title, it says "Solution to question 1:" followed by the text "Yes, you are right, the right solution is ORANGE." and "Click on the right gray animationbutton and control yourself!". In the center, there are two overlapping circles: a yellow one on top and a red one on the bottom, with an orange intersection. Below the circles are three gray navigation buttons: a double left arrow, a close 'X' button, and a double right arrow. At the bottom left, it says "Click on the orange square to the right to return back to the questions!" with a small orange square to its right. The orange sidebar on the right contains the text "A Quiz" and "Solutions to..." in a red bar, and a set of navigation icons including left and right arrows, document icons, and a refresh icon.

3/5

Solutions to Quiz

Solution to question 1:

Yes, you are right, the right solution is ORANGE.

Click on the right gray animationbutton and control yourself!

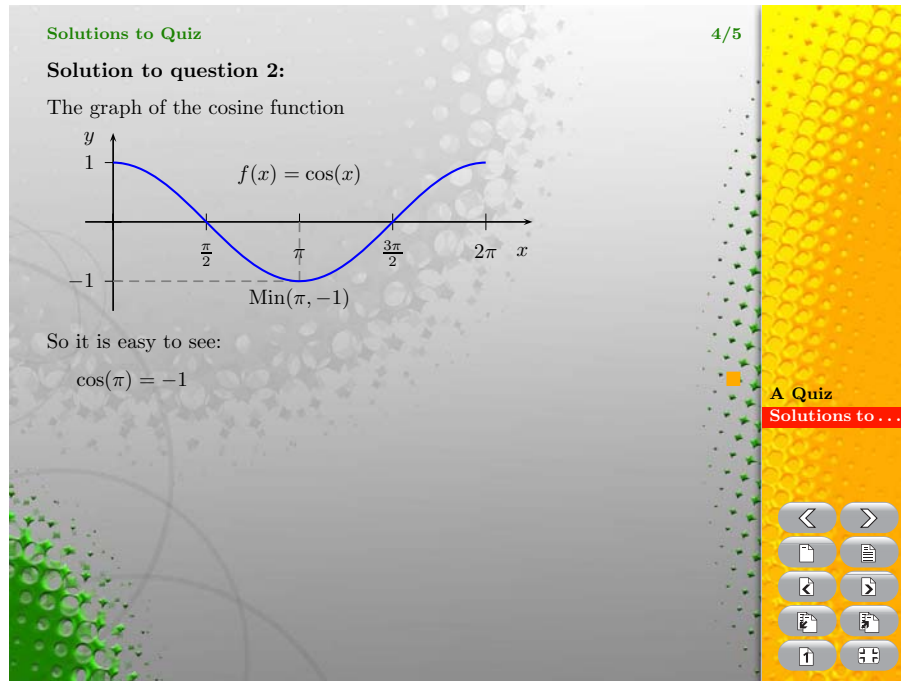
Click on the orange square to the right to return back to the questions!

A Quiz
Solutions to...

Slide 3

Welcome to the solutionslide 1.

- Click on the gray animationbutton to see an animation that mixes the colors RED and YELLOW to ORANGE.
- Now you have two choices:
 - Click on > (top/right) from the navipanel to the right to page over to the next solution.
 - Click on the orange square to go back to the question.



Slide 4

Welcome to the solutionslide 2.

Now you have two choices:

- Click on > (top/right) from the navipanel to the right to page over to the next solution.
- Click on the orange square to go back to the question.

Solutions to Quiz 5/5

Solution to question 3:

Using the power rule for derivatives:

Given is the function

$$f(x) = x^n \text{ for } x \in \mathbb{R} \text{ and } n \in \mathbb{N}$$

The first derivative then is

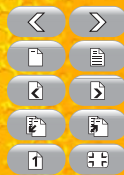
$$\frac{d}{dx} x^n = nx^{n-1}$$

For this example, let $n = 2$

Thus

$$\frac{d}{dx} x^2 = 2x^{(2-1)} = 2x^1 = 2x$$

A Quiz
Solutions to ...



Slide 5

Welcome to the solutionslide 3.

- Click on the orange square to go back to the question.