

Simulink Quiz 4

Total points 14/14

The respondent's email (amlali98eg@gmail.com) was recorded on submission of this form.

✓ What does MATLAB stand for? *

1/1

- ☐ a) Mathematical Algorithm Library Tool
- ☒ b) Matrix Laboratory
- ☐ c) Model Analysis and Testing Language
- ☐ d) Microprocessor Automation Tool



✓ Which of the following is a valid MATLAB variable name? *

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- ☐ a) 3values
- ☐ b) variable name
- ☒ c) my_variable_1
- ☐ d) sin



✓ In MATLAB, how can you comment out a single line of code? *

1/1

- ☐ a) /* Comment */
- ☐ b) // Comment
- ☐ c) # Comment
- ☒ d) % Comment



✓ Which command is used to clear all variables from the MATLAB workspace?

*1/1

- ☐ a) clean
- ☐ b) reset
- ☐ c) delete
- ☒ d) clear



✓ What is the result of $3 * 4 / 2$ in MATLAB? *

1/1

- ☐ a) 2
- ☒ b) 6
- ☐ c) 7.5
- ☐ d) 12



✓ In MATLAB, which function is used to calculate the square root of a number? * 1/1

- ☒ a) sqrt
- ☐ b) root
- ☐ c) squareroot
- ☐ d) sqrroot



✓ Which MATLAB function is used to create a 5x3 matrix filled with zeros? * 1/1

- ☒ a) zeros(5, 3)
- ☐ b) ones(5, 3)
- ☐ c) eye(5, 3)
- ☐ d) rand(5, 3)



✓ In Simulink, what does a block with a "+" symbol represent? * 1/1

- ☒ a) Summation block
- ☐ b) Gain block
- ☐ c) Signal source block
- ☐ d) Comparision block



✓ What is the purpose of Simulink? *

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- ☐ a) To create documents
- ☐ b) To analyze images
- ☐ c) To develop mobile apps
- ☒ d) To model and simulate dynamic systems



✓ In Simulink, what is a signal? *

1/1

- ☐ a) A visual element
- ☒ b) A line connecting blocks
- ☐ c) A function
- ☐ d) A variable



✓ Which Simulink block is used to specify the input signal of a system? *

1/1

- ☒ a) Input block
- ☐ b) Output block
- ☐ c) Gain block
- ☐ d) Summation block



✓ What type of systems can be modeled in Simulink? *

1/1

- ☐ a) Only electrical systems
- ☐ b) Only mechanical systems
- ☐ c) Only control systems
- ☒ d) Various types of dynamic systems



✓ In Simulink, what is the main purpose of the Scope block? *

1/1

- ☐ a) To define the simulation time
- ☒ b) To view and analyze simulation results
- ☐ c) To set simulation parameters
- ☐ d) To create a report



✓ In Simulink, what does the Simulation Stepper do? *

1/1

- ☐ a) Sets the simulation time step
- ☒ b) Helps to step through the simulation manually
- ☐ c) Provides a step-by-step tutorial
- ☐ d) Measures system performance



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