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**Chapter 11**

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Show Question Details

**Question 11.1: Match the relational operations to their result 1 pts**

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For this question, match the relational operation to the correct result. Assume that the following 3 variables are already loaded into the workspace.

mouse = 2

dog = 10

cat = -20

**mouse + cat > dog**

0

**mouse + cat**

-18

**cat < mouse + dog**

1

**cat \* dog \* mouse**

-400

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**Question 11.2: True or False 1 pts**

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Continuing with the previous example, what is the result of the relational operation?

**Correct Answer**

1

0

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**Question 11.3: Match the statement to the question. 1 pts**

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In this question, consider the MATLAB statements on the left and match them to their correct output on the right. Keep in mind the order of precedence! You can also assume that the following variables are loaded into the workspace:

lexus = 2

ford = -2

toyota = 4

chevy = -4

**lexus + ford \* toyota^3**

-126

**(lexus + ford) \* toyota^3 == 0**

1

**(lexus + ford) \* toyota^3**

0

**(toyota^2 + ford)^2**

196

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**Question 11.4: Logical and Relational Operators 1 pts**

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Consider the following bit of MATLAB code:

4\*4 > 16 | 2 == 2

Paying special attention to table X and how the logical operators work, what does the MATLAB code evaluate to?

**Correct Answer**

1

0

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**Question 11.5: Challenge Problem 1 pts**

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Consider the following MATLAB line of code:

>> challange = yes & yes == yes | no == ~yes

Let the following two variables be assigned in the workspace:

yes = 1

no = 0

There is a tiny trick, you need to remember that 1 and true are the exact same thing in MATLAB!

What is the value stored in the variable

challange

after the code is run?

**Correct Answer**

True

False

Error

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**Personal Reflection - Chapter 11 1 pts**

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What do you think about the content of this chapter? It is a little weird right? Do you need some more practice before you understand this material? Do you think you know why relational and logical operators will be important for programming? Do some personal reflection about your learning.

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**Request for Feedback - Chapter 11 1 pts**

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What did you think of this chapter? Anything stand out as exceptionally good? Anything that you would like to see differently? Any feedback is appreciated.

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