

## Lesson 2 Wrap-up

Quiz, 10 questions

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1.

The value of a after this command: `a = [0; 0; 1]' * [1 2 3; 4 5 6; 7 8 9]`

- ☐ [3 ; 6 ; 9]
  - ☐ [3 , 6 , 9]
  - ☐ [7 ; 8; 9]
  - ☒ [7, 8 , 9]
- 

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2.

What will be the value of s after this command: `A = [1:4; -2:2:5; 3 1 0 -1]; s = A(end-1,end-1);`

- ☒ 2
  - ☐ 0
  - ☐ -1
  - ☐ We get an error message.
- 

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3.

Which of the following is a valid variable name?

- ☐ All of the options above are invalid.
- ☒ I\_Hate\_This\_Quiz\_So\_Much
- ☐ MATLAB\_Rulez!
- ☐ 5x2x3x

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4.

After this command: `v = 111:-11:1`; how many elements will `v` have?

- ☒ 11
  - ☐ 1
  - ☐ 10
  - ☐ 0
- 

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5.

In MATLAB, operators work on:

- ☐ arguments
  - ☐ associations
  - ☐ a tight schedule
  - ☒ operands
- 

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6.

Matrix multiplication works if its two operands

- ☐ are scalars.
  - ☒ All of the above options are correct
  - ☐ are square matrices of the same size.
  - ☐ are vectors; specifically, the first one is a column vector and the second one is a row vector of any length.
-

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7.

The variable `t` after these commands `v = 1:3:33; t = v(end)` will be:

- ☐ 33
  - ☐ 32
  - ☒ 31
  - ☐ None of the above.
- 

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8.

The variable `t` after these commands `t = (16:-4:1) ' .^ 2` will be

- ☒ a 4-element vector
  - ☐ a 4x4 matrix
  - ☐ a scalar
  - ☐ None of the above. MATLAB will print an error message.
- 

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9.

The value of `p` after this command: `A = [1:4; 5:8; 9:12]; p = size(A);`

- ☐ will be 12
  - ☐ will be a 3-by-4 matrix
  - ☒ will be a 2-element vector
  - ☐ 4
- 

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10.

Array multiplication works if the two operands

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1. Questions must have the same outer dimension.

- ☐ have the same inner dimensions.
- ☐ are vectors.
- ☒ are square matrices of the same size.

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