

Armstrong State University
Engineering Studies
MATLAB Marina - Variables Exercises

1. From the MATLAB Command Window execute the MATLAB statements in Figure 1 paying attention to the variables and their values in the MATLAB Workspace window.

```
value1 = 5  
Value1 = 5  
value2 = -4  
value3 = 6 + 7  
clear Value1  
clear all  
clc
```

Figure 1, MATLAB Statements for Exercise 1

2. From the MATLAB Command Window, create the following variables and assign them the specified initial value:
 - a) Variable named x with a value of 17
 - b) Variable named m with a value of 1.5
 - c) Variable named b with a value of 10
3. Using the variables created for Exercise 2:
 - a) Assign the variable y the result of the expression $y = m*x + b$
 - b) Redefine the variable b to be the value 8
 - c) Redefine the variable y as the result of the expression $y = m*x + b$ for the new value of b

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