

**ENGINEERING H192  
PRELIMINARY ASSIGNMENT 20**

Given the initialized MATLAB variables a, b, d, e, and f below, evaluate each of the subsequent MATLAB statements by hand. If a statement would not execute properly in MATLAB, indicate that it is invalid and why.

**a = [1 2 3 4];      b = [5 6 7 8 9];      d = 6;      e = [10 20 30 40];  
f = [50 60 70 80 90];**

1.  $c = a + b$

2.  $y = a.*a$

3.  $y = a * a'$  (The apostrophe after the "a" creates the transpose of vector "a" which results in a column vector rather than a row vector.)

4.  $z = b.^2$

5.  $z = b^2$

6.  $w = e./a$

7.  $m = f + d$

8.  $g = b.*f$

Name \_\_\_\_\_ Instr. \_\_\_\_\_ Room \_\_\_\_\_ Seat \_\_\_\_\_ Hour \_\_\_\_\_