

الاسم: رقم القيد: المجموعة:

Q1. (6 Marks, 1 each) Tick Valid (✓) or Not Valid (✗) in front of the following MATLAB commands:

- `A = [2 6]; B = [4 8]; A*B` (✗)
- `syms x y; M = [x y^3; x*y x+y]` (✓)
- `H = @(x) x^3; G(2:2:8)` (✗)
- `a = 12; b = 3; rem(a/b)` (✗)
- `t = 0:10*pi; subplot(2,1,3); plot(t, sin(t))` (✗)
- `x = 0:10*pi; stem(sin(x), x)` (✓)

Q2. (5 Marks, 1 each) Evaluate the following MATLAB codes:

MATLAB Expression	Evaluation Result
<code>>> logspace(1,3,3)</code>	ans = 10 100 1000
<code>>> a = [1 2 3 4] ; >> a = [a ; ones(1,4)]</code>	a = 1 2 3 4 1 1 1 1
<code>>> t = rand; >> ceil(t)</code>	ans = 1
<code>>> a = [1 2 3 4] ; >> max(a) + min(4*a) + 2</code>	ans = 10
<code>>> t = rand(2,3); >> size(t)</code>	ans = 2 3



