

Sample problems for short class exam W 10/24/12

What is the result of the following MATLAB calculations?
(1-10 5 points each.)

(1) $[2 \ 4 \ 6] ./ [2 \ 2 \ 2] =$

(2) $[-1 \ 2 \ 3] .^{\wedge} 3 =$

(3) $[-1 \ 2 \ 3] .^{\wedge} [1:3] =$

(4) $[0 \ 1 \ 2] * [1 \ 2 \ 1] =$

(5) $[0 \ 1 \ 2] * [1; 2; 1] =$

(6) $a = 2 + i; b = 1 - 2 * i; a * b =$

(7) For $x = [0 \ \pi \ \pi/2]$, $\sin(x) =$

(8) For $x = [1 \ 3 \ -2 \ 7 \ 10]$, $x(3:5) =$

For $A = [1 \ -2 \ 3; 0 \ 2 \ 1]$ and $B = [2 \ 1; 1 \ 3; 1 \ 0]$

(9) $A * B =$

(10) $B(2:3, :) =$

+ short question on section of MATLAB code
or a short take-home coding problem.