*A Short Quiz on*
*Matrix Operations and Array Indexing*

Given the following matrix,  $A = \begin{bmatrix} 1 & 0 & 1 \\ -1 & 2 & 2 \\ -2 & 0 & 1 \end{bmatrix}$   what is Matlab's output for the following commands?

1.  What is **A.*A** ?

2.  What is **A(:,1)*A(3,:)** ?

3.  What is **A(1, [1  3])** ?

4.  What is **[A  A(:,2)]** ?

5.  What is **A(1,:) = [1  -1  3]** ?