**Multiple-Choice Test**

**Chapter 4.03**

**Binary Matrix Operations**

1. If and 

then 

1. 
2. 
3. 
4. not possible
5. For the product to be possible
6. the number of rows of  needs to be the same as the number of columns of 
7. the number of columns of  needs to be the same as the number of rows of 
8. the number of rows of  and needs to be the same
9. the number of columns of  and needs to be the same
10. If

 

then 6is equal to

1. 
2. 
3. 
4. 
5.  and  are square matrices of  order. Then  is equal to
6. 
7. 
8. 
9. 
10. Given  is a rectangular matrix and , then choose the most appropriate answer.
11. 
12. and 
13. or 
14. and  is a non-zero matrix
15. You sell Jupiter and Fickers Candy bars. The sales in January are 25 and 30 of Jupiter and Fickers, respectively. In February, the sales are 75 and 35 of Jupiter and Fickers, respectively. If a Jupiter bar costs $2 and a Fickers bar costs $7, then if

 , and

,

the total sales amount in each month is given by

1. 
2. 
3. 
4. 