

NAME: \_\_\_\_\_

1. Select the conclusion which will make the following argument valid.

If you work hard, then you will find a position. If you find a position, then you will be happy.

- [A] If you are not happy, then you did not find a position.  
[B] If you work hard, then you will be happy.  
[C] If you do not work hard, then you will not be happy.  
[D] If you are happy, then you worked hard.

2. Select the conclusion which will make the following argument valid.

If you graduate, then you will get a good job. If you get a good job, then you will be satisfied.

- [A] If you are satisfied, then you graduated.  
[B] If you graduate, then you will be satisfied.  
[C] If you are not satisfied, then you did not get a good job.  
[D] If you do not graduate, then you will not be satisfied.

3. Select the conclusion which will make the following argument valid.

If you graduate, then you will find a position. If you find a position, then you will be well paid.

- [A] If you do not graduate, then you will not be well paid.  
[B] If you are well paid, then you graduated.  
[C] If you are not well paid, then you did not find a position.  
[D] If you graduate, then you will be well paid.

4. If the hypothesis of a conditional statement is false, then the statement is considered to be true no matter whether the conclusion is true or false. Find the values of  $x$  for which " $7 \times 6 = 13$ , then  $x - 3 = 7$ " is true if  $x$  is an integer.

- [A] all integers      [B] no integers  
[C] all integers except 10      [D] 10

5. Assume the statements are true: "If it doesn't rain, we play the game. It doesn't rain." The conclusion is \_\_\_\_\_.

- [A] we do not play the game  
[B] we play the game  
[C] we wait for rain  
[D] we may or may not play

6. Find a conclusion that will make the argument valid.

If I drive to work, then I will not be late. If I am not late, then I do not lose any pay.

7. Find a conclusion that will make the argument valid.

I will go to college or to trade school. I will not go to trade school.

8. Find a conclusion that will make the argument valid.

If you graduate, then you will get a good job. If you get a good job, then you will be happy.

9. Find a conclusion that will make the argument valid.

If the electricity is off, the computer will not work. The electricity is off.

[1] B

[2] B

[3] D

[4] A

[5] B

[6] If I drive to work, then I will not lose any pay.

[7] I will go to college.

[8] If you graduate, then you will be happy.

[9] The computer will not work.