

The following is a submission form for the following **classwork assignments**. Students should have completed this during class time. Each is a drill on the topic of Formal Fallacies.

### **Activities**

1. Finish the following arguments using an Affirming the Consequent fallacy.

a. Teachers are hard-working. Jane is hard-working.

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b. If a rocket re-enters our atmosphere there will be a loud boom. I just heard a loud boom.

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c. If people are honest, they love babies. Jack loves babies.

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### **Activities**

1. Finish the following Denying the Antecedent fallacies:

a) All animals which are fish have fins.  
This animal is not a fish.

b) Citizens of Torvania love their country.  
Franklin is a citizen of Lassnia, not Torvania.

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# FALLACY DRILL

## Affirming the Consequent

P1: If **A** then **B**

P2: **B**

C: **So, A**

## Denying the Antecedent

P1: If **A** then **B**

P2: **Not A (negation)**

C: **So, Not B (negation)**

**Instructions:** On a separate sheet of paper, tell me if the syllogism is either Affirming the Consequent, Denying the Antecedent or a valid-type (name the type). Next to the argument, please write the corresponding formula.

1. If I have caffeine, then I will be awake all night  
I am awake all night  
Therefore, I had caffeine.

2. If there's no gas in the car, the car won't start  
The car won't start!  
Therefore, there's no gas in the car.

3. If you are a middle school student, then you  
are 12 years old.  
You are not 12 years old.  
So, you are not a middle school student

4. If it's a yorkie, then it is a dog  
It is not a yorkie  
Therefore, it's not a dog

5. If it is a car, then it has wheels  
It's a car  
Therefore, it has wheels

6. If you have a current password, then you can  
log on to the network  
You have the current password  
Therefore, you can log on to the network