

Chapter 2 Homework

Exercise 2-1

Instructions: Identify the **premises** and **conclusions** in the following arguments.

1) Since all Communists are Marxists, all Marxists are Communists.

2) The Lakers almost didn't beat the Kings. They'll never get past Dallas.

3) That cat loves dogs. Probably she won't be upset if you bring home a new dog for a pet.

4) Presbyterians are not fundamentalists, but all born-again Christians are. So no born-again Christians are Presbyterians.

5) I guess Maria doesn't have a thing to do. Why else would she waste her time watching daytime TV?

Exercise 2-2

Instructions: Determine which of the following arguments are **deductive** and which are **inductive**. Remember that in a deductive argument, the conclusion is intended to follow the premises with certainty; in an inductive argument, the conclusion is intended to follow the premises with probability.

1) No mayten tree is deciduous, and all nondeciduous trees are evergreens. It follows that all mayten trees are evergreens.

2) I've never met a golden retriever with a nasty disposition. I bet there aren't any.

3) Since some grapes are purple, and all grapes are fruit, some fruit is purple.

4) Biden will make a fine president. After all, he made a fine vice president.

5) The figure he drew has only three sides. It can't be a square.

Exercise 2-3

Instructions: Some of the following are the **balance of considerations** type of reasoning, some are the **inference to best explanation** type of reasoning, and some are neither. Determine which are which.

1) Let's go now. I know you wanted to work in the yard, but if we wait longer, we won't make the movie. Plus, it's gonna get cold if we don't make tracks.

2) All things considered, we'd be better off taking the Suburban. Plus, let's get AAA to help us make reservations.

3) Jackson will get an A in the course, since he aced the final.

4) It's longer taking the 405, but you can drive faster—though who knows what the traffic's like at this hour. I would say if you want to play it safe, stay on the 5.

5) He made threats, plus he had the motive. Not only that, but who else had access to a gun? If Mitchell didn't do it, I don't know who did.

Exercise 2-4

Instructions: Determine which of the following arguments are **deductive** and which are **inductive**.

1) All mammals are warm-blooded creatures, and all whales are mammals. Therefore, all whales are warm-blooded creatures.

2) The brains of rats raised in enriched environments with a variety of toys and puzzles weigh more than the brains of rats raised in more barren environments. Therefore, the brains of humans will weigh more if humans are placed in intellectually stimulating environments.

3) Jones won't plead guilty to a misdemeanor, and if he won't plead guilty, then he will be tried on a felony charge. Therefore, he will be tried on a felony charge.

4) We've interviewed two hundred professional football players and 60 percent of them favor expanding the season to twenty games. Therefore, 60 percent of all professional football players favor expanding the season to twenty games.

5) Jose is taller than Bill, and Bill is taller than Margaret. Therefore, Jose is taller than Margaret.

Exercise 2-5

Instructions: Create a premise that would make the following arguments **deductive**.

1)

1. _____

2. Jamal keeps his word.

Jamal is a man of good character.

2)

1. _____
2. Iraq posed a threat to the US.
We had a right to invade it.

3)

1. _____
2. Professor Plum and Colonel Mustard were in separate rooms when the murder was committed.
Mustard didn't murder Plum.

4)

1. _____
2. That guy committed the murder.
He should be executed.

5)

1. _____
2. Only 8 people showed up to the party.
It was not a success.

Exercise 2-6

Instructions: Create a premise that would make the following arguments **inductive**.

1)

1. _____
2. There are puddles everywhere.
It must have rained recently.

2)

1. _____
2. It's been cold all week.
It will be cold tomorrow.

3)

1. _____
2. The dog is scratching a lot.
The dog has either flees or dry skin.

4)

1. _____
2. There were a lot of leftovers.
Their party wasn't a success.

5)

1. _____
2. The desert you just had contained caffeine.
You might have trouble sleeping tonight.