Exercise 1.5

*From page 18*

1 Logic begins with an L.  
 Logic is a concept, and the phrase is referring to the name of the concept, so if we reformulate the phrase to:

´Logic´ begins with an L

2 The numbers 2 and -2 are both solutions to the equation x2 = 4.

This is correct because it is referring to the concept

The numbers ‘2’ and ‘-2’, are not being used, only mentioned.

3 The argument some dogs are collies therefore some collies are dogs is valid.

This is incorrect because the argument exposed in here is a citated text, so we may use the ´´ symbols to refer to it, so if we reformulate:

The argument ´some dogs are collies therefore some collies are dogs´ are valid  
4 The number four has many names.

Four is a concept, and the phrase is referring to the four as a concept and the ways of how to refer to it, so it´s correct

The number ‘four’ has many names.  
5 Instead of the word therefore we may write the symbol ∴ .

In this example we are referring to the word therefore, so we might to rephrase:

Instead of the word ´therefore´ we may write the symbol ∴