6.1.

They are not contradictory. The way that a language specifies the order that arithmetic should be evaluated in is the direct reason for the way that a compiler will evaluate a statement. The only situation that the result of arithmetic would be affected is when variables in the expression are linked with other variable via a function.

6.2.

Due to the order that statements get read and evaluated this should not cause and issue for either Pascal or Fortran.

6.12.

A few senarios to think about with regards to avoiding short circuit evaluation would follow

If you are trying to code and exclusive or (XOR) gate into your program you could not do so if your language used only short-circuit evaluation.

Also for some programs if you check if something is a number then if it is null you will in the same if statement then you will run into issues if you try to call it in a method i.e.

X=null;

If(x.isnumber() || x!=null){

Dosomething();

}else{

Callmethod(x);

}

Here an issue could popup in .isnumber()or in callmethod() and throw an exception which would have been caught otherwise.