Which of the following sentences are statements? Justify

(v) 15 + 8 > 23.

Solution:

A statement is a declarative sentence if it is either true or false but not both.

So, the given Expression "15 + 8 > 23" is false.

As the result of L.H.S will always equal to the result of R.H.S

Hence, it is a false statement

(vi) y + 9 = 7.

Solution:

A statement is a declarative sentence if it is either true or false but not both.

Here, y + 9 = 7 will be true for some value and it will be false for some value.

Like, at y= -2, the given expression is true and Y=1 or any other value, the expression is false.

Hence, it is not a statement

(vii) Where is your bag?

Solution:

A statement is a declarative sentence if it is either true or false but not both.

Here, the given sentence "Where is your bag" is a question.

Hence, it is not a statement