AND, OR and NOT

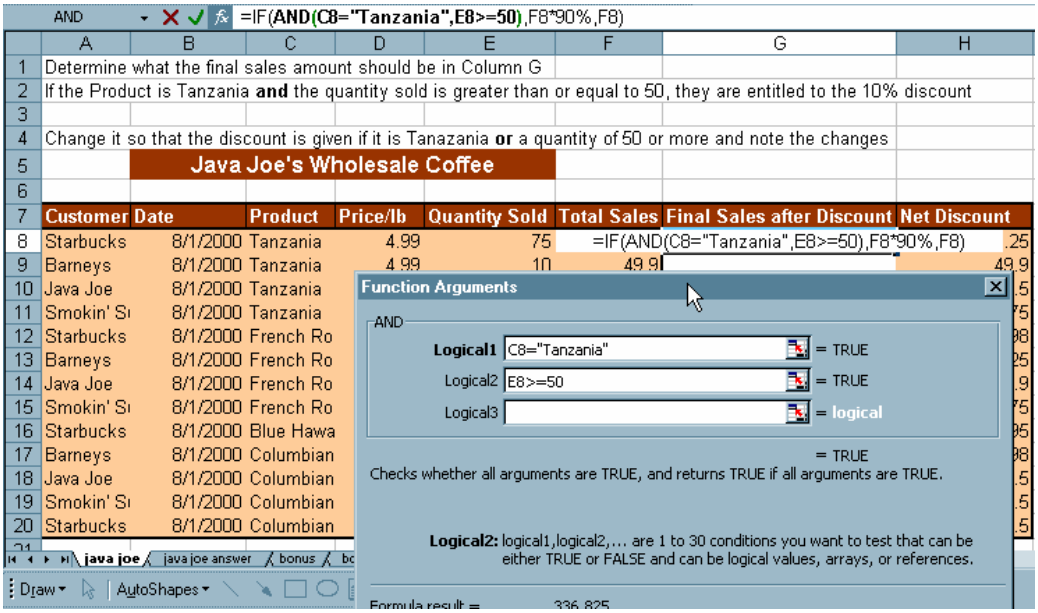
And, OR and Not are considered logical functions and are usually found nested in other formulas such as an IF. The three functions return either a True or False, which can be used in other calculations to continue a calculation or decision.

The syntax for these three functions is
Function (logical1, logical2....)

- **And** tests whether all the arguments are TRUE
- **OR** tests if any of the arguments are TRUE
- **Not** tests whether the criterion is not true – for a single test

AND as well as OR allow you to test up to **30** conditions while NOT only allows for one variable or one test

For example, I would use the following nested function of IF and AND if I wanted to see if my customer qualified for a discount. To qualify the coffee beans had to be from Tanzania (C8) and the purchase had to be >=50 (e8). If both cells met the criteria than the resulting answer would calculate the new price after discount.



Excel Tip: Enter the True/False pieces first and then do the test!