

# Excel IF Function

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# Excel IF Function

- The value of the formula:

$\text{IF}(exp1, exp2, exp3)$

depends on the value of  $exp1$

- If the value of  $exp1$  is true,

then the value of  $\text{IF}(exp1, exp2, exp3)$   
is the value of  $exp2$

- If the value of  $exp1$  is false,

then the value of  $\text{IF}(exp1, exp2, exp3)$   
is the value of  $exp3$

# Example 1

The value of:

IF( true , 3+2 , 7+6 )

is:

5

# Example 2

- If the cell D3 contains the value “Hello” and the cell E3 contains the value “Hi”, then the value of the formula:

`IF( D3=E3 , “same” , “different” )`

is

“different”

# Example 2

The screenshot shows a Microsoft Excel window titled "Book1 - Microsoft Excel". The ribbon tabs visible are Home, Insert, Page Layout, Formulas, Data, Review, View, and Acrobat. The Acrobat tab is selected. On the left, there is a toolbar with icons for Create PDF, Preferences, Create and Attach to Email, Create and Send For Review, and Review And Comment.

The formula bar displays the formula `=IF(D3=E3,"same","different")`. The cell F3 contains the value "different". The cell E3 contains "Hello" and cell D3 contains "Hi".

	A	B	C	D	E	F	G	H
1								
2								
3				Hello	Hi	different		
4								
5								

The bottom navigation bar shows "Sheet1" is active, along with "Sheet2" and "Sheet3". The status bar at the bottom indicates "Ready".