To insert an equation from the ribbon, go to “Insert” and on the right selection “Equation”, which might be hidden in the “Symbols” menu. The keyboard shortcut for inserting an equation is Alt-=. You can insert an equation inline or as a display equation. Let’s insert a displayed equation. The formula for the sum of a geometric progression is

Notice that the sentence ended with a full stop at the end of the displayed equation.

Small equations or symbols are inserted inline, for example, . This equation involves the variables and which should also be typeset using the equation editor.

The cross product,  
gives us just what we need.

The definition of the derivative of a function at is

Suppose that we have two equations to solve

We can write down a parametric form for the solution to this system of equations. First let . Then from the second equation we have and then from the first equation we have . Putting these together in vector form we have

where .

The set of rational numbers can be defined as,