Pluto Math

Pluto's inhabitants use the same mathematical operators that we do (+, -, etc.). They also use an operator, @, that we do not know. The following are true for any real numbers *x* and *y*:

$$x @ 0 = x$$

 $x @ y = y @ x$
 $(x + 1) @ y = (x @ y) + y + 1$

What is the value of 12 @ 5?