6.7 For each of the following construction axioms, use recursive construction to find the first few elements, and then guess what what is.

(a) $1, what+what, what\times what: what$

\[
\begin{align*}
what_0 & = \text{null} \\
what_1 & = 1, \text{null}+\text{null}, \text{null}\times\text{null} = 1 \\
what_2 & = 1, 1+1, 1\times1 = 1, 2 \\
what_3 & = 1, (1, 2)+(1, 2), (1, 2)\times(1, 2) = 1, 2, 3, 4
\end{align*}
\]

I guess $what = \text{nat}+1$

(b) $2, what+what, what\times what: what$

\[
\begin{align*}
what_0 & = \text{null} \\
what_1 & = 2, \text{null}+\text{null}, \text{null}\times\text{null} = 2 \\
what_2 & = 2, 2+2, 2\times2 = 2, 4 \\
what_3 & = 2, (2, 4)+(2, 4), (2, 4)\times(2, 4) = 2, 4, 6, 8, 16
\end{align*}
\]

I guess $what = 2\times(\text{nat}+1)$