If the constant acceleration continues for 6.0 seconds, what will be it's velocity then

By the definition, acceleration:

$$
a=\frac{d v}{d t}
$$

If acceleration is constant:

$$
\begin{gathered}
a d t=d v \rightarrow a\left(t-t_{0}\right)=v_{\text {end }}-v_{0} \\
v_{\text {end }}=v_{0}+a\left(t-t_{0}\right)
\end{gathered}
$$

So, the velocity will be

$$
v_{\text {end }}=v_{0}+6 a
$$

Answer: $v_{\text {end }}=v_{0}+6 a$

