1. Are the following programs equivalent?

\[
\begin{align*}
&x = a + b; \\
&y = c + x; \\
&z = a + b + c;
\end{align*}
\]

\[
\begin{align*}
&x = a + b; \\
&y = c + x; \\
&z = y;
\end{align*}
\]

2. Are the following programs equivalent?

\[
\begin{align*}
&x = a + b; \\
&y = x + c; \\
&z = a + b + c;
\end{align*}
\]

\[
\begin{align*}
&x = a + b; \\
&y = x + c; \\
&z = y;
\end{align*}
\]