

A.5.4

a

$$\begin{aligned}
& \{n+1\}_{n=0}^5 \\
& \stackrel{u=n+2}{=} \{(u-2)+1\}_{u=0+2}^{5+2} \\
& = \{u-1\}_{u=2}^7 \\
& = \{n-1\}_{n=2}^7
\end{aligned}$$

c

$$\begin{aligned}
& \{2n\}_{n=0}^{10} \\
& \stackrel{u=n+2}{=} \{2(u-2)\}_{u=0+2}^{10+2} \\
& = \{2u-4\}_{u=2}^{12} \\
& \neq \{2u-2\}_{u=2}^{12}
\end{aligned}$$

d

$$\begin{aligned}
& \{(-1)^n\}_{n=2}^{10} \\
& \stackrel{u=n-2}{=} \{(-1)^{u+2}(u+2)\}_{u=2-2}^{10-2} \\
& = \{(-1)^2(-1)^u(u+2)\}_{u=0}^8 \\
& \stackrel{(-1)^2=1}{=} \{(-1)^u(u+2)\}_{u=0}^8 \\
& = \{(-1)^n(n+2)\}_{n=0}^8
\end{aligned}$$