1) $\dfrac{2 + 2j}{1 + j} = \dfrac{2 \cdot 1 + 2 \cdot j}{1 + j}$　　　　rewrite the top neatly so you can see it's $2 \cdot 1$ and $2 \cdot j$

$\phantom{1)\ \dfrac{2+2j}{1+j}\ } = \dfrac{2\left(1 + j\right)}{1 + j}$　　　　factor the 2 out

$\phantom{1)\ \dfrac{2+2j}{1+j}\ } = 2(1) = 2$　　　　$\dfrac{1 + j}{1 + j} = 1$, so only 2 remains