

14. Since $\frac{1+t^3}{1-t^2} = \frac{(1+t)(1-t+t^2)}{(1+t)(1-t)} = \frac{1-t+t^2}{1-t}$ for $t \neq -1$, we can define the function to be $3/2$ at $t = -1$ to make it continuous there. The continuous extension is $\frac{1-t+t^2}{1-t}$.