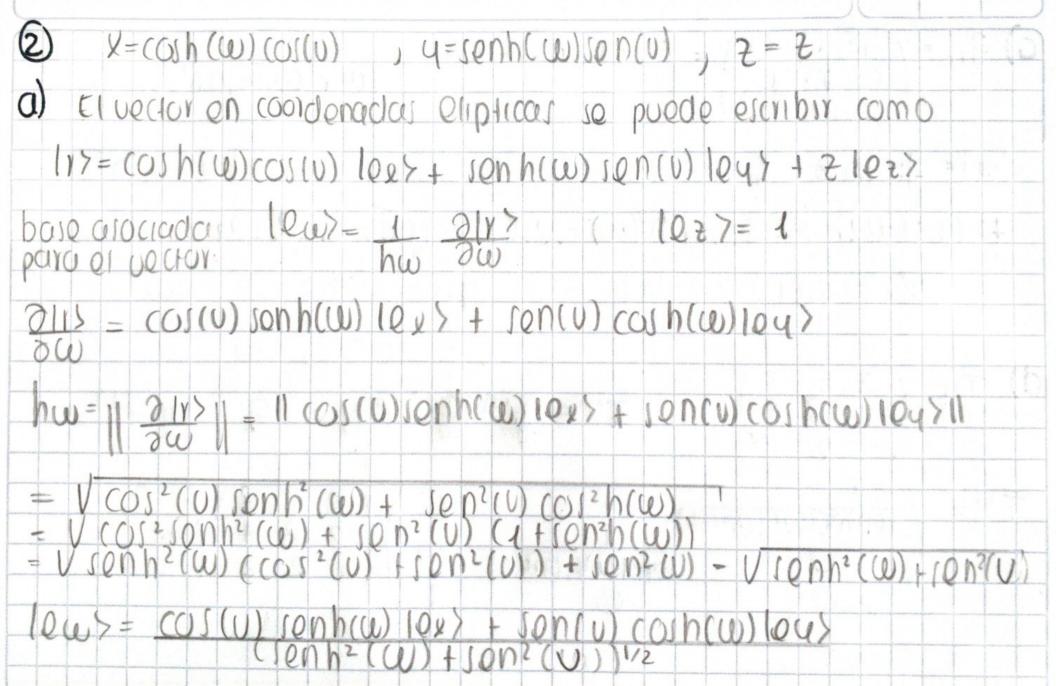


$$\begin{array}{lll} & \text{Rest}(z) = \lim_{z \to 1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^2} \right] \right) = \lim_{z \to 1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{2^3} \right) \\ & = -\frac{1}{4} \\ & \text{Rest}(z) = \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^2} \right] + \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^2} \right] \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z-1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z+1)(z/1)} \right) = \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^3} \right] \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z-1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z/1)(z+1)(z/1)} \right) = \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^3} \right] \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z-1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z/1)(z+1)(z/1)} \right) = \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^3} \right] \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z/1)(z+1)(z/1)} \right) = \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^3} \right] \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z/1)(z+1)(z/1)} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z/1)(z/1)(z/1)} \right) = \lim_{z \to -1} \left( \frac{d}{dz} \left[ \frac{1}{(z+1)^3} \right] \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)(z/1)(z/1)(z/1)(z/1)} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \left( \frac{1}{1} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \underbrace{1}_{(z+1)^3} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \underbrace{1}_{(z+1)^3} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \underbrace{1}_{(z+1)^3} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \underbrace{1}_{(z+1)^3} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) = -2 \underbrace{1}_{(z+1)^3} \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z \to -1} \left( -2 \underbrace{1}_{(z+1)^3} \right) \\ & = \lim_{z$$



$$\frac{2h}{3} = -\cos h(\omega) \sin (\omega) | \cos x + \sin h(\omega) \cos (\omega) | \cos x + \cos h(\omega) | \cos x + \cos h($$

