Resuelva la ec.

$$e^{i\frac{\pi}{2}} = \cos(2i) + 2$$

$$\cos(2i) + i \sin(2i) = \cos(2i) + 2$$

$$i \sin(2i) = 2$$

$$f\left[\frac{e^{i\frac{\pi}{2}} - e^{-i\frac{\pi}{2}}}{2i}\right] = 2$$

$$e^{i\frac{\pi}{2}} - e^{-i\frac{\pi}{2}} = 4 / e^{i\frac{\pi}{2}}$$

$$(e^{i\frac{\pi}{2}})^2 - 1 = 4 e^{i\frac{\pi}{2}}$$

$$(e^{i\frac{\pi}{2}})^2 - 4 e^{i\frac{\pi}{2}} - 1 = 0$$

$$u = e^{i\frac{\pi}{2}}$$

$$u = -\frac{1}{2}$$

$$4 = \frac{4 \pm \sqrt{20}}{2}$$

$$U = \frac{4 \pm 2\sqrt{5}}{2}$$

$$U = \frac{4 \pm 2\sqrt{5}}{2}$$

$$U_1 = 2 + \sqrt{5}$$
 $U_2 = 2 - \sqrt{5}$

laso 1.
$$e^{iz} = 2 - JsT ///n$$

$$Z = \frac{\ln(2-\sqrt{5})}{i}$$

Caso 2
$$e^{iz} = 2 + \sqrt{5}^{i}$$

$$z = \ln(2 + \sqrt{5}^{i})$$