$$u_2 = \frac{4-48}{2}i = -2 - \frac{\sqrt{48}}{2}i = 4 \cdot (\cos(5.236) + i\sin(5.236))$$

$$z_1 = \sqrt{u_1} = \sqrt{-2 + \frac{\sqrt{48!}}{2}}$$
 \Rightarrow $p + iq$

$$p = \frac{1}{\sqrt{2!}} \left[(-2)^2 + \left(\frac{\sqrt{48!}}{2} \right)^2 \right] - 2 = 1$$

$$9 = \frac{1}{\sqrt{12!}} \sqrt{(-2)^2 + \left(\frac{\sqrt{48}}{2}\right)^2} - 2 - 1.732$$

$$P = \frac{1}{\sqrt{2!}} \sqrt{(-2)^2 + \left(-\frac{148!}{2}\right)^2} - 2 = 1$$

$$q = -\sqrt{(-2)^2 + (-\frac{48!}{2})^2} - -2 = -1.732$$