

Racines de l'unité

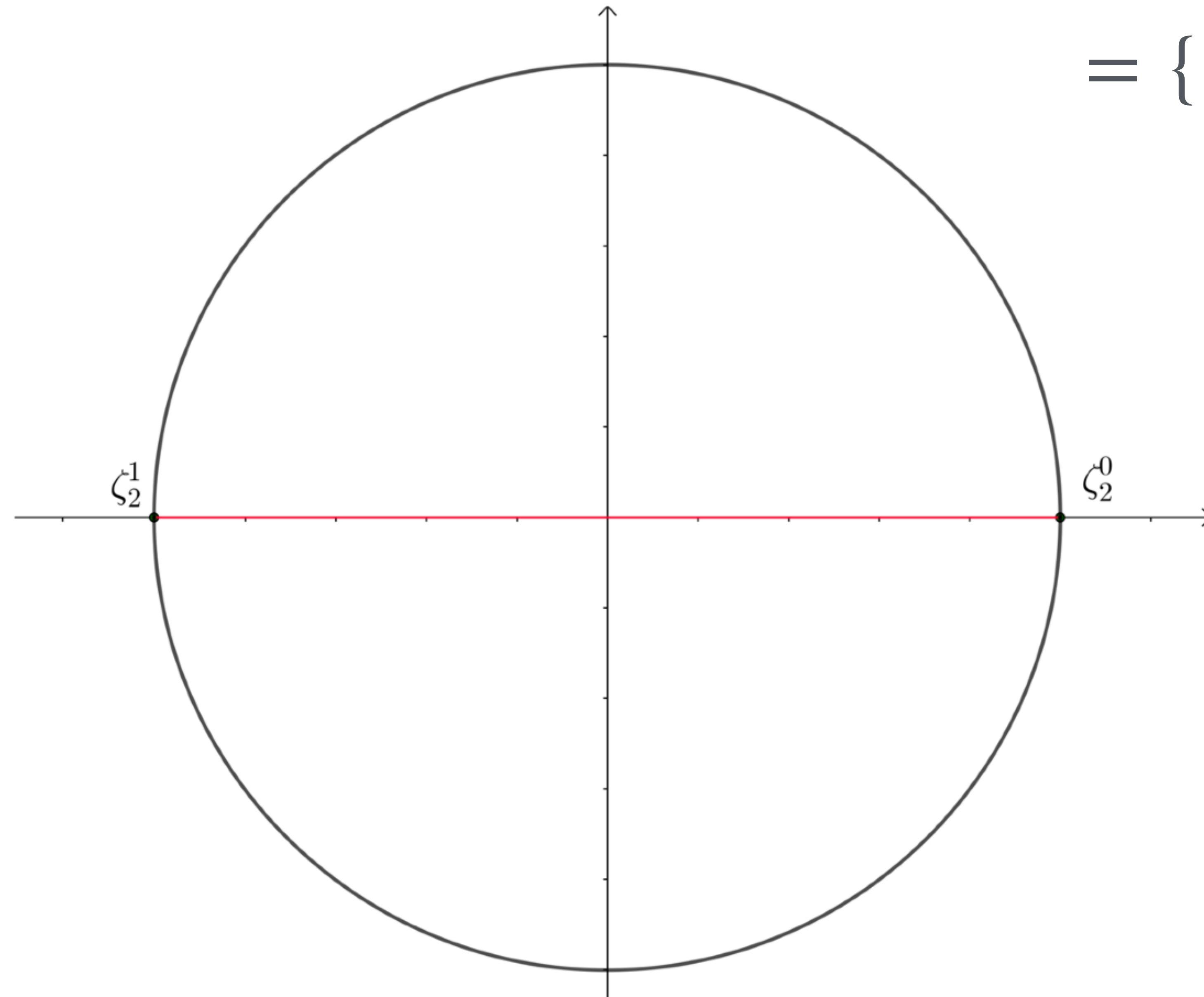
$$\sqrt[2]{1} = \{\zeta_2^0, \zeta_2^1\} = \{\pm 1\}$$

$$\zeta_n^k = e^{\frac{2i\pi k}{n}}$$

$$\zeta_2^1 = e^{\frac{2i\pi}{2}}$$

$$= e^{i\pi}$$

$$= -1$$



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$$\sqrt[3]{1} = \{\zeta_3^0, \zeta_3^1, \zeta_3^2\}$$

$$\zeta_n^k = e^{\frac{2i\pi k}{n}}$$

$$\zeta_3^1 = e^{\frac{2i\pi}{3}}$$

