

$$\sum^2 4z + 5 = 0$$

$$\Delta = 1^2 - 4 \cdot 1 \cdot 5 = -19$$

$$\sqrt{\Delta} = \sqrt{-19} = 2i$$

$$z_1 = \frac{-4 - 2i}{2} = -2 - i$$

$$z_2 = \frac{-4 + 2i}{2} = -2 + i$$