(c)
$$\frac{19}{29} + \frac{4}{29}i$$

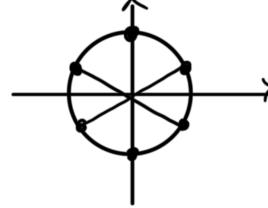
(e)
$$\frac{\sqrt{2}}{2} + \frac{\sqrt{2}}{2}i$$

$$(h) - \frac{1}{4} - \frac{1}{4}i$$

$$(i) 2^{10} (\frac{1}{2} + \sqrt{3}i)$$

(2)
$$z_0 = \omega \left(\frac{\sqrt{3}}{2} + \frac{1}{2}i \right)$$

$$Z_2 = a\left(-\frac{\sqrt{3}}{2} + \frac{1}{2}i\right)$$



$$Z_3 = \omega \left(-\frac{\sqrt{3}}{2} - \frac{1}{2}i \right)$$

$$z_5 = a \left(\frac{\sqrt{3}}{2} - \frac{1}{2}i \right)$$