Solve the following complex number equations:
(a) Solve for $y[n]$ in the following equation by drawing a phasor diagram

$$
y[n]=\cos (2 \pi n / 3)+2 \cos (2 \pi(n-5) / 3)
$$

Express $y[n]$ in the form $y[n]=A \cos \left(\omega_{0} n+\phi\right)$
(b) Determine all the solutions of the following polynomial equation:

$$
1+16 z^{-4}=0
$$

