

$$\boxed{61} \quad x^4 + 5x^2 + 4 = 0 \Rightarrow (x^2 + 1)(x^2 + 4) = 0 \Rightarrow x = \pm i, \pm 2i.$$

Thus, $f(x) = (x - i)(x + i)(x - 2i)(x + 2i)$.