

$$(x + 3)(x - 6)(x + 1)^2$$

$$x^4 - x^3 - 23x^2 - 39x - 18 \quad | \quad x^2 - 5x - 6$$

$$\underline{x + 3}$$

$$7(x + 1)(x - 2)(x + 4)(x^2 + 1)(x - 4)$$

$$7x^6 - 7x^5 - 119x^4 + 105x^3 + 98x^2 + 112x + 224 \quad | \quad x^2 + 1$$



$$\therefore x = 4:3 \rightarrow \textcircled{40}$$