

2. $a^3 - 9a^2 + 26a - 24$ has a factor $(a-2)$ compute all other factors:

$$(a - 2) (a + 1) (a + 3)$$

$$(a - 3) (a - 2) (a + 1)$$

$$(a - 4) (a - 3) (a - 2)$$

$$(a - 2) (a - 1) (a + 4)$$

Solution

Apply Long Division.

$$(a - 4) (a - 3) (a - 2)$$