

2. $b^3 + 6b^2 + 5b - 12$ has a factor $(b - (-4))$ compute all other factors:

$$(b - 2) (b - 1)^2$$

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

$$(b - 1) (b + 3) (b + 4)$$

$$(b - 3) (b - 1) (b + 3)$$

Solution

Apply Long Division.

$$(b - 1) (b + 3) (b + 4)$$