

5. $b^3 + 6b^2 + 9b$ has a factor $(b - (-3))$ compute all other factors:

$$(b + 1) (b + 3)^2$$

$$(b - 2) (b + 3)^2$$

$$b (b + 3)^2$$

$$(b - 3)^2 (b + 3)$$

Solution

Apply Long Division.

$$b (b + 3)^2$$