

5. $b^3 + 6b^2 + 8b$ has a factor $(b - (-4))$ compute all other factors:

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

$$(b + 2) (b + 4)^2$$

$$b (b + 2) (b + 4)$$

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

Solution

Apply Long Division.

$$b (b + 2) (b + 4)$$