

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

$$(g - 4) (g + 2) (g + 3)$$

$$(g - 3) (g + 2) (g + 4)$$

$$g (g + 2) (g + 4)$$

$$(g - 3) (g + 2) (g + 3)$$

Solution

Apply Long Division.

$$g (g + 2) (g + 4)$$