

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

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

$$h (h + 2) (h + 3)$$

$$(h - 3) (h - 1) (h + 3)$$

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

Solution

Apply Long Division.

$$(h - 3) (h - 1) (h + 3)$$