

4.  $h^3 + h^2 - 14h - 24$  has a factor  $(h - (-3))$  compute all other factors:

$$(h - 2) (h - 1) (h + 2)$$

$$(h + 1) (h + 2) (h + 4)$$

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

$$(h - 1) (h + 2) (h + 3)$$

**Solution**

Apply Long Division.

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