

1.  $n^3 + n^2 - 10n + 8$  has a factor  $(n - (-4))$  compute all other factors:

$$(n - 3) (n - 2) (n - 1)$$

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

$$(n - 2) (n - 1) (n + 4)$$

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

**Solution**

Apply Long Division.

$$(n - 2) (n - 1) (n + 4)$$