

2.  $n^3 - n^2 - 16n + 16$  has a factor  $(n - (-4))$  compute all other factors:

$$(n - 1) n^2$$

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

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

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

**Solution**

Apply Long Division.

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