

2.  $b^3 - 12b + 16$  has a factor  $(b - (-4))$  compute all other factors:

$$(b - 3) (b - 2) (b + 2)$$

$$(b - 2) (b + 2) (b + 4)$$

$$(b - 2)^2 (b + 4)$$

$$(b - 2) (b - 1) b$$

**Solution**

Apply Long Division.

$$(b - 2)^2 (b + 4)$$