

2. $u^3 - 2u^2 - 16u + 32$ has a factor $(u - (-4))$ compute all other factors:

$$(u - 4) (u - 3) (u - 1)$$

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

$$(u - 4) (u - 2) (u + 4)$$

$$(u - 4) (u - 3) (u + 3)$$

Solution

Apply Long Division.

$$(u - 4) (u - 2) (u + 4)$$