

1.  $u^3 - 8u^2 + 20u - 16$  has a factor  $(u-2)$  compute all other factors:

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

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

$$(u - 4) (u - 2)^2$$

$$(u - 4) (u + 1)^2$$

**Solution**

Apply Long Division.

$$(u - 4) (u - 2)^2$$