

1.  $g^3 - 6g^2 + 8g$  has a factor  $(g-0)$  compute all other factors:

$$(g - 3) (g - 2) (g - 1)$$

$$(g - 2) (g - 1) (g + 2)$$

$$(g - 4) (g - 2) g$$

$$(g - 2)^3$$

**Solution**

Apply Long Division.

$$(g - 4) (g - 2) g$$