

1.  $g^3 - g^2 - 10g - 8$  has a factor  $(g - (-2))$  compute all other factors:

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

$$(g + 1) (g + 2) (g + 4)$$

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

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

**Solution**

Apply Long Division.

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