(y-4) (y-2) (y+2)(y-4) (y-3) (y-2)

4.  $y^3 + 2y^2 - 8y$  has a factor (y - (-4)) compute all other factors:

$$(y-2) (y+2)^2$$

(y-2) y (y+4)

Solution

Apply Long Division. (y-2) y (y+4)