

Ex 3

a) $2y^4 - 3y^3 - 9y^2$

$y^2(2y^2 - 3y \cancel{(-9)})$ negative diff

y^2 $2y^2 - 3y$

$1y \cdot 2y$ $1 \cdot 9$

$3 \cdot 3$

minus: $\begin{array}{r} 1y \cdot 3 = 3y \\ 2y \cdot 3 = 6y \\ \hline -3y \end{array}$

$(y \cancel{-} 3)(2y + 3)$

$y^2(y - 3)(2y + 3)$