

Theory Of Equations

Polynomials

Horner's Method Of Synthetic Division

Use synthetic division to compute

$f(-2)$ where

$$f(x) = x^4 - 12x^2 + 40x - 71.$$

Sol.

$$= -2$$

1	0	-12	40	-71
-2	4	16	-112	
1	-2	-8	56	-183

Remainder =