

$x^3 - 4x^2 - 2x + 3$ is divided by $(x - 4)$

x

-4

x^2

x^3

$-4x^2$

$0x$

$0x^2$

$0x$

-2

$-2x$

8

R

-5

$x^3 + 7x^2 + 9x + 4$ is divided by $(x + 5)$

x

5

x^2

x^3

$5x^2$

$2x$

$2x^2$

$10x$

-1

$-1x$

-5

R

9

$x^3 - 10x + 4$ is divided by $(x + 3)$

x

3

x^2

x^3

$3x^2$

$-3x$

$-3x^2$

$-9x$

-1

$-1x$

-3

R

7

$3x^3 - 18x^2 - 23x + 6$ is divided by $(x - 7)$

x	-7	$3x^2$	$3x^3$	$-21x^2$
$3x$	$3x^2$	$-21x$	-2	$-2x$
14	R	-8		

$x^4 + 7x^3 - 14x^2 + 31x - 40$ is divided by $(x + 9)$

x	9	x^3	x^4	$9x^3$
$-2x^2$	$-2x^3$	$-18x^2$	$4x$	$4x^2$
$36x$	-5	$-5x$	-45	R
5				

$x^4 - 5x^3 + 11x - 7$ is divided by $(x + 1)$

x	1	x^3	x^4	x^3
$-6x^2$	$-6x^3$	$-6x^2$	$6x$	$6x^2$
$6x$	5	$5x$	5	R
-12				