

Dividing Polynomials - Box Method

Divide the following by box method.

1) $\frac{x^3 + 4x^2 + 5x + 6}{x + 3} =$

	x
	3

2) $\frac{4b^3 - 19b^2 - 9b - 1}{b^2 - 5b - 1} =$

b ²	
-5b	

3) $\frac{k^3 - 2k^2 - 5k + 6}{k^2 + k - 2} =$

k ²	
k	
-2	

$\frac{\quad}{\quad} =$

	7

5) $\frac{3y^3 - y^2 + y - 3}{y - 1} =$

	-1

2a ²	
3a	
4	

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