Dividing Polynomials - Box Method

Sheet 1

Divide the following by box method.

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

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

x 3

-5b

7

PREVIEW

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

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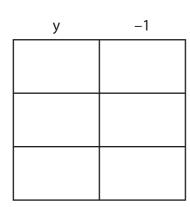
k²

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

-2

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2a²
3a
4