

Name : \_\_\_\_\_

## Dividing Polynomials

Sheet 1

Divide by synthetic method.

1)  $(n^2 + 6n - 27) \div (n - 3)$

2)  $(2b^4 + 7b^3 + 12b^2 - 9b - 27) \div (2b + 3)$

3)  $(2t^4 + t^3 + 5t^2 + \dots) \div (4v - 5)$

5)  $(h^3 - 6h^2 + 32) \div \dots \div (q + 6)$

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7)  $(d^3 + 13d^2 + 40d + 36) \div (d + 9)$

8)  $(p^4 - 6p^3 - 15p^2 - 12p + 32) \div (p - 8)$