

Name : _____

Dividing Polynomials

Sheet 2

Divide by long division method.

1) $(9d^5 + 9d^4 + 45d^3) \div 9d^2$

2) $(u^4 - 3u^3 - 7u^2 + 5u - 2) \div (u + 2)$

3) $(30a^5 + 58a^4 + 5) \div (a + 5)$

4) $(24n^3 - 10n^2 + 5) \div (2n + 1)$

5) $(q^6 - 3q^4 + 5) \div (q^2 + 1)$

6) $(2w^3 - 9w^2 + 12w - 4) \div (2w^2 - 5w + 2)$

7) $(6v^4 - 7v^3 + 19v^2 - 10v + 12) \div (3v^2 - 2v + 4)$

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Dividing Polynomials

Divide by long division method.

1) $(9d^5 + 9d^4 + 45d^3) \div 9d^2$

$d^3 + d^2 + 5d$

2) $(u^4 - 3u^3 - 7u^2 + 5u - 2) \div (u + 2)$

$u^3 - 5u^2 + 3$

3) $(30a^5 + 58a^4$

PREVIEW

+ 5)

$3a^2 + 4a - 3$

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4) $(24n^3 - 10n^2$

$3n + 1$

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5) $(q^6 - 3q^4 + c$

$q^3 + 2q + 3$

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6) $(2w^3 - 9w^2 + 12w - 4) \div (2w^2 - 5w + 2)$

$w - 2$

7) $(6v^4 - 7v^3 + 19v^2 - 10v + 12) \div (3v^2 - 2v + 4)$

$2v^2 - v + 3$