

Dividing Polynomials

Divide by long division method.

1) $(42s^6 - 35s^5 - 9s^4 + 26s^3 + 4s^2 + 9) \div (3s^3 + 2s^2 + 5)$

2) $(8r^5 + 11r^4 + 10r^3 + 5r^2 + 3) \div (r^2 + 5)$

3) $(45v^4 + 18v^3 + 12v^2 + 9v + 6) \div (3v^2 + 2v + 1)$

4) $(x^3 - 13x^2 + 42x - 36) \div (x - 4)$

5) $(2p^2 + 7p - 15) \div (p + 3)$

6) $(50k^3 + 10k^2 - 35k - 1) \div (5k^2 - 4k + 6)$

7) $(10c^5 + 11c^4 + 8c^2 - 2c + 9) \div (2c^4 - 3c^3 + 8c^2 - c + 3)$

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