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$$(a)$$
 $x^{3} - 1 = -2x + 2$

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Q6. Factorise
$$8a^3 + 27b^3 + 64c^3 - 72abc$$

[Ans: $(2a + 3b + 4c)(4a^2 + 9b^2 + 16c^2 - 6ab - 12bc - 8ac)$

Q7. Factoriae
$$n^3 - 252y^3 + 353z^3 + 356nyz$$

[Aus: $(n-52y+53z)(n^2+2y^2+3z^2+52ny-53nz+56yz)$

Q8 Factorise
$$(p-q)^3 + (q-r)^3 + (r-p)^3$$

[Ans $3(p-q)(q-r)(r-p)$]

Q9. Without actual Calculating, find
$$(28)^3 + (-15)^3 + (-13)^3$$

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