

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

## LCM - Polynomials

L2S4

Find the least common multiple.

1)  $p^3q^4, p^6 - 100p^4, 5p^2q^2 + 52pq^2 + 20q^2$

2)  $(g - 6)^2, g^2 - 9g + 18, 2g^2 - 13g + 6$

LCM = \_\_\_\_\_

LCM = \_\_\_\_\_

3)  $(a^8 - 64a^4)^2, (a^2 + 8)(a^2 - 8)$

4)  $(n + 1)^4(7 + n), n^2 + 14n + 49, n^2 - 1$

LCM = \_\_\_\_\_

\_\_\_\_\_

5)  $(x^2 - xy + y^2)^3, x^2 + y^2$

LCM = \_\_\_\_\_

\_\_\_\_\_

7)  $m^3 - 27, (2m^5 - 54m^2)$

$c^5d^3 + 32c^4d^2$

LCM = \_\_\_\_\_

LCM = \_\_\_\_\_

9)  $3rs^4 - 12s^3r + 9s^2r, r^3s^3 - 9r^3s$

10)  $8t^3 + u^3, (2t + u)^2, 4t^2 - 2tu + u^2$

LCM = \_\_\_\_\_

LCM = \_\_\_\_\_

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