

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

## LCM - Polynomials

Sheet 3

Find the least common multiple of each pair of polynomials.

1)  $66(h^2 - 49), 18(h + 7)^5$

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

2)  $(4m + n)^7, 6(4m - n)^7$

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

3)  $92a(c - d + 2), 12b(2 - d + c)^8$

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

4)  $10(u - v)^6, 5(u - v + 7)^8$

5)  $s(7t + 9)^5, 26(7t + 9)^4(x + y + z)$

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

7)  $98a(b^2 - 10b + 25), 14c^2(b - 5)^8$

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

9)  $(2p - 6q + 4r)^9, 4(2p - 6q + 4r)^2$

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

10)  $48(u + 30)^6, 15(u + 30)^7$

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

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**LCM - Polynomials**

Find the least common multiple of each pair of polynomials.

1)  $66(h^2 - 49), 18(h + 7)^5$

LCM =  $198(h + 7)^5(h - 7)$

2)  $(4m + n)^7, 6(4m - n)^7$

LCM =  $6(4m + n)^7(4m - n)^7$

3)  $92a(c - d + 2), 12b(2 - d + c)^8$

LCM =  $276a^2b^8(c - d + 2)^8$

4)  $10(u^6 - 7), 5(u^6 + 7)^8$

LCM =  $10(u^6 + 7)^8(u^6 - 7)$

5)  $s(7t + 9)^5, 26(7t + 9)^4(x + y + z)$

LCM =  $208s(7t + 9)^5(x + y + z)$

7)  $98a(b^2 - 10b + 25), 150(1 - 67c)^8$

LCM =  $294a(b - 5)^2(1 - 67c)^8$

10)  $48(u + 30)^6, 15(u + 30)^7$

LCM =  $4(2p - 6q + 4r)^9$

LCM =  $240(u + 30)^7$

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