

Name : _____

LCM - Polynomials

L1S1

Find the least common multiple.

1) $9g(-h^6 - 4)^7, 18g(-h^6 - 4)^3$

2) $x^9y^2(4x^2 - 8y + 2w), x^5y^8$

LCM = _____

LCM = _____

3) $11(r + s)^4, 2(r + s), 22(r + s)^3$

4) $2x^2y^2z^2 + x^3y^3 + 4x^5y^2z^3$

LCM = _____

LCM = _____

5) $(4p + q - 6)^5, (4p + q - 6)^2$

LCM = _____

LCM = _____

7) $10t^4(t - 7u), 4(t - 9u)^2$

LCM = _____

LCM = _____

9) $12a^4b^5(-ab + 9), 6a^5b^5c$

10) $(-d + 8)^4(2d^3 - 1)^2, (2d^3 - 1)^2(-d + 8)$

LCM = _____

LCM = _____

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Answer key

LCM - Polynomials

L1S1

Find the least common multiple.

1) $9g(-h^6 - 4)^7, 18g(-h^6 - 4)^3$

2) $x^9y^2(4x^2 - 8y + 2w), x^5y^8$

LCM = $18g(-h^6 - 4)^7$

LCM = $x^9y^8(4x^2 - 8y + 2w)$

3) $11(r + s)^4, 2(r + s), 22(r + s)^3$

4) $2u^5, 2u^9v$

LCM = $22(r + s)^4$

LCM = $2u^9v(v^2 + u^2 + 2)^3$

5) $(4p + q - 6)^5, (4p + q - 6)^2$

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LCM = $(4p + q - 6)^5$

LCM = $28z^7(-11z^8 - 4)$

7) $10t^4(t - 7u), 4(t - 9u)^2$

LCM = $20t^4(t - 9u)^2$

LCM = $40t^4(t - 9u)(t - 7u)$

LCM = $25m(m - 6)(-mn + m - n)$

9) $12a^4b^5(-ab + 9), 6a^5b^5c$

10) $(-d + 8)^4(2d^3 - 1)^2, (2d^3 - 1)^2(-d + 8)$

LCM = $12a^5b^5c(-ab + 9)$

LCM = $(-d + 8)^4(2d^3 - 1)^2$

PREVIEW

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