

Name : _____

LCM - Polynomials

L1S2

Find the least common multiple.

1) $5w^6, 20w^3(w^2 + w - 4)$

2) $13(p^3 - pq - r)^2, 26(r + q), 4(p^3 - pq - r)$

LCM = _____

LCM = _____

3) $22b^8cd(-5c^3d + 7b)^2, 9bc^4d^2$

4) $(d^3 - 2)^2(d + 6)(d^3 - 2)^8$

LCM = _____

5) $7a(3a^2 + 2)^4(a + 7), 14a^2(3a^2 + 2)^4$

$1n^8(m - n + 1)^5$

LCM = _____

7) $10g^5h^2(g + h), 15g^3h^6$

$(-3s^2 + 5)^4, s^9$

LCM = _____

LCM = _____

9) $(-tu + 3)^9, (-tu + 3)^6, (-tu + 3)^7$

10) $8z, 24y^6z(-4x^8 - 17yz^3)^5$

LCM = _____

LCM = _____

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Answer key

LCM - Polynomials

L1S2

Find the least common multiple.

1) $5w^6, 20w^3(w^2 + w - 4)$

2) $13(p^3 - pq - r)^2, 26(r + q), 4(p^3 - pq - r)$

LCM = $20w^6(w^2 + w - 4)$

LCM = $52(p^3 - pq - r)(r + q)$

3) $22b^8cd(-5c^3d + 7b)^2, 8b^4c^4d^2$

4) $(d^3 - 2)^2(d + 6)(d^3 - 2)^8$

LCM = $8b^8c^4$

$(d^3 - 2)^8(d + 6)$

5) $7a(3a^2 + 2)^4(a + 7), 14a^2(3a^2 + 2)^4$

$1n^8(m - n + 1)^5$

LCM = $14a^2(3a^2 + 2)^4$

$4n^8(m - n + 1)^6$

7) $10g^5h^2(g + h), 15g^3h^6$

$(-3s^2 + 5)^4, s^9$

LCM = $30g^5h^6(g + h)(gn + g + n)$

LCM = $27s^9(-3s^2 + 5)^4$

9) $(-tu + 3)^9, (-tu + 3)^6, (-tu + 3)^7$

10) $8z, 24y^6z(-4x^8 - 17yz^3)^5$

LCM = $(-tu + 3)^9$

LCM = $24y^6z(-4x^8 - 17yz^3)^5$

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