

Name : _____

LCM - Polynomials

L1S4

Find the least common multiple.

1) $8p^9qr(-5p^2 + q^2 + pq), 2qr^5, 4q$

2) $d^6(6c + d)^8, cd^4(6c + d)^7$

LCM = _____

LCM = _____

3) $9(v^2 + 3v + 12)^8, 6(v^2 + 3v + 12)^7$

4) $5x^9 + 4x^3, 3x^2 + 9x^3, 2x^7t^8$

LCM = _____

5) $(x^4 - y^3)^2, (y^5 + xy + x)$

$4a^6b(a + b)$

LCM = _____

7) $27g^8(-h^2 + g - 2h)^4, 9$

$(w^3 - 6)(w - 1)^7$

LCM = _____

LCM = _____

9) $14k^3(k^2 - 8)^7, 7k^4(k^2 - 8)^6$

10) $4mn, (10m - 2n)^2, 6mn(10m - 2n)^3$

LCM = _____

LCM = _____

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Name : _____

Answer key

LCM - Polynomials

L1S4

Find the least common multiple.

1) $8p^9qr(-5p^2 + q^2 + pq), 2qr^5, 4q$

2) $d^6(6c + d)^8, cd^4(6c + d)^7$

LCM = $8p^9qr^5(-5p^2 + q^2 + pq)$

LCM = $cd^6(6c + d)^8$

3) $9(v^2 + 3v + 12)^8, 6(v^2 + 3v + 12)^7$

4) $5s^9t^4u^3(-3s + 9)^3, 2s^7t^8$

LCM = $18(v^2 + 3v + 12)^8$

LCM = $10s^9t^8u^3(-3s + 9)^3$

5) $(x^4 - y^3)^2, (y^5 + xy + x)$

Gain complete access to the largest collection of worksheets in all subjects!

LCM = $4a^6b(a + b)$

LCM = $(x^4 - y^3)^2$

LCM = $b^2(a + 5)^2(a + b)$

7) $27g^8(-h^2 + g - 2h)^4, 9g^3h(-h^2 + g - 2h)^7$

LCM = $(w^3 - 6)(w - 1)^7$

LCM = $27g^8h(-h^2 + g - 2h)^7$

LCM = $(w - 1)^7(2w^3 - 6)$

9) $14k^3(k^2 - 8)^7, 7k^4(k^2 - 8)^6$

10) $4mn, (10m - 2n)^2, 6mn(10m - 2n)^3$

LCM = $14k^4(k^2 - 8)^7$

LCM = $12mn(10m - 2n)^3$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com