Aljabar

LATIHAN 2

A. Sederhanakanlah !

1. $x + 2x =$

2. $5y - 3y + 8y =$

3. $5x + 8y + x + 4y =$

4. $4a + 5b + 5a + 10b =$

5. $9p + 7q + 4r + p - 3q - r =$

6. $12k - 4l - 5m - 12k + 5l + 4m =$

7. $a^2 + 4a + 1 - 4a^2 - 8 - 3a = \quad a^2 + a -$

8. $5m^2 - 7mn - n^2 - 4m^2 + 2mn + n^2 = \ m^2 - \ mn$

9. $2x^3 + 8x^2 - 9x + 6 - 3x^3 - 9x^2 + 8x - 7 = x^3 \ x^2 \ x -$

10. $8p^4 - 12p^3 + 18p^2 - 30p + 15 + 12p^3 - 18p^2 - 8p^4 - 14 + 30p =$

LIVEWORKSHEETS

B. Tentukan hasil perkalian di bawah ini

1. $2 \times 6 \times a \times b =$

2. $-6 \times (-5p) \times 2q \times r =$

3. $m \times n \times m \times n \times m = \quad m \quad n$

4. $p \times (-q) \times pq \times (-4pq) = \quad p \quad q$

5. $2f \times 4 \times g \times (-fg) \times (-5fh) = \quad f \quad g \quad h$

6. $p^6 \times p \times q^4 \times q^3 \times r^3 = \quad p \quad q \quad r$

7. $7a^2 \times (-3ab) \times 2b^4 = \quad a \quad b$

8. $2x^2 \times x \times y^3 \times y^2 \times z^4 \times 6 \times z = \quad x \quad y \quad z$

9. $4pq \times (-3qr^3) \times 2p^2 \times (-r) \times q^4 = \quad p \quad q \quad r$

10. $-5xy^2z^6 \times (-2x^2y^3z) \times (-4xyz) = \quad x \quad y \quad z$

LIVEWORKSHEETS

C. Tentukan hasil pangkat berikut ini :

1. $(2m)^3 =$ m

2. $(xyz)^8 =$ x y z

3. $(-ab)^5 =$ $-a$ b

4. $(-2a^2)^3 =$ a

5. $(-3p^2q)^4 =$ p q

6. $(-5x^3y^2z)^3 =$ x y z

7. $(5k \times 2l)^3 =$ k l

8. $(2p^2q \times pq)^5 =$ p q

9. $(5a^3b^2 \times 2ab)^4 =$ a b

10. $(-2x^2y^3 \times x^3y^2)^4 =$ x y

LIVEWORKSHEETS