

Ujian / Test
Indeks / Index

Nama :

Kelas :

Bahagian A / Section A

1 $5p^3 \times 3p^5 \times p =$

- A $15p^9$
- B $15p^8$
- C $8p^9$
- D $8p^8$

2 $(4xy^2)^4 =$

- A $4xy^8$
- B $16x^4y^2$
- C $64x^4y^6$
- D $256x^4y^8$

3 $\frac{5^{12} \times 5^0}{5^{-4}} =$

- A 5^0
- B 5^4
- C 5^8
- D 5^{16}

4. Di beri/ Given

$$x^{2q} = \frac{x^{18}}{x^6},$$

Maka / Therefore,
 $q =$

- A 12
- B 6
- C 3
- D $\frac{3}{2}$

5 Cari Nilai/Find the value

$$64^{-\frac{1}{3}} \times 8^{\frac{1}{3}}.$$

- A $\frac{1}{6}$
- B $\frac{2}{3}$
- C $\frac{1}{2}$
- D $2\frac{1}{4}$

6 Di beri / Given

$$(p^n)^3 = p^{18}.$$

Cari nilai bagi n /
Find the value n .

- A 3
- B 4
- C 5
- D 6

7 $4^n \times 4^4 \times 64^2 =$

- A 4^{n+4}
- B 4^{n+10}
- C 4^{10n}
- D 4^{6n}

8. Permudahkan /
Simplify

$$81y^{\frac{1}{3}} \div 9y^{\frac{2}{3}}$$

- A $\frac{9}{y}$
- B $\frac{9}{y^{\frac{1}{3}}}$
- C $9y^{\frac{1}{3}}$
- D $9y^2$

9. $\frac{(6a^2b^3)^2}{6a^5b^6} =$

- A $6a^{-1}$
- B $6a^{-3}$
- C $6a^{-1}b^{-1}$
- D $6a^{-3}b^{-1}$

10 $8^{\frac{1}{3}} \times 4^{-1} =$

- A $\frac{1}{8}$
- B $\frac{1}{2}$
- C 2
- D 8

