1. $\sqrt{9x^2}$ is equal to

   A. $6x^2$ B. $9x$

   C. $3x$ D. $3x^2$

2. $3x^0$ can be simplified to

   A. 3 B. 2

   C. 1 D. 0

3. The value of $\left(4^2\right)^3$ in base − index form is equal to

   A. 4^8 B. 4^6

   C. 4^5 D. 4^2

4. $a \times a \times a \times b \times b$ in base − index form is

   A. $3a + 2b$ B. $5ab$

   C. $3ab^2$ D. $a^3 b^2$

5. The expression 2^{-2} can be simplified to

   A. 4 B. $\dfrac{1}{4}$

   C. $-\dfrac{1}{4}$ D. -4

6.

Simplify:

(i) $\qquad 3\,p^2 \times p^2$

(ii) $\qquad \dfrac{12a^3c}{4ac}$

7.

The value of $(3^4)^2$ in base – index form is equal to

A. 3^8 B. 3^6

C. 3^4 D. 3^2

8.

$\sqrt{16x^2}$ is equal to

A. $16x$ B. $8x$

C. $4x$ D. $2x$

10.

$(2x)^0 + 5(x)^0$ can be simplified to

A. 7   B. 6

C. 5   D. 2

11.

The expression $\left(\dfrac{1}{3}\right)^2$ can be simplified to

A. 9   B. $\dfrac{1}{9}$

C. $-\dfrac{1}{9}$ D. -9

12.

The expression $\dfrac{12a^3c}{4ac}$ can be simplified to:

A. $8a^2$ B. $3a^2$

C. $3a^3$ D. $3a^3c$