

Algebraic Expressions

Multiple choice questions

- 1) The sum of $4a^2$ and $6a^2$ is
 - a) $10a^2$
 - b) $10a^4$
 - c) $4a^4$
 - d) $6a^4$

- 2) $3x^2y \times 5x^2y$ gives
 - a) $15x^2y^2$
 - b) $15x^4y^2$
 - c) $15x^2y$
 - d) $15xy^2$

- 3) $45x^3y^2 \div 15xy$ gives
 - a) $3x^2y^2$
 - b) $3x^2y$
 - c) $3xy$
 - d) $3x^3y^2$

- 4) $95x^2y^2 - 90x^2y$
 - a) $5x^4y^2$
 - b) $5x^2y^2$
 - c) $5x^2y$
 - d) $5x^0y^0$

- 5) The result of $(7p^2 + 8q + 9r) + (3p^2 + 2q + r)$
 - a) $10p^2 + 8q + 10r$
 - b) $10p^2 + 6q + 9r$
 - c) $10p^2 + 2q + r$
 - d) $10(p^2 + q + r)$

6) $(3x^2 + 5x - 6) - (10x^2 - 5x - 8)$

- a) $7x^2 + 10x + 14$
- b) $7x^2 + 5x + 2$
- c) $-7x^2 + 10x + 2$
- d) $7x^2 + 10x + 14$

7) $(x + 2)(x + 1)$

- a) $x^2 + 2x + 2$
- b) $x^2 + 3x + 2$
- c) $x^2 + 2x + 1$
- d) $x^2 + 2x + 3$

8) $(36x^2 - 25y^2) \div (6x - 5y)$ gives

- a) $6x - 5y$
- b) $(6x - 5y)^2$
- c) $6x + 5y$
- d) $(6x + 5y)^2$

9) The sides of a triangle are $x + 2$, $x + 5$ and $2x + 3$, its perimeter is

- a) $4x + 10$
- b) $4x + 5$
- c) $4x + 7$
- d) $4x + 2$

10) The each four sides of a square are $(x + 1)$ cm , then its area is

- a) $4(x + 1)$ cm²
- b) $4(x + 1)^2$ cm²
- c) $(x + 1)^2$ cm²
- d) $(x + 1)$ cm²