FUN MATH KIDS

Easy

Polynomial Operations MCQ

Topic: Expand, factorise, divide polynomials A–D · Grade: grade 8

Name: _____ Date: _____ Score: _____/ 8

Expand each polynomial expression and tick the correct result.

1. Expand: (x + 4)(x + 1)

- ☐ A. $x^2 + 5x + 4$
- ☐ B. $x^2 + 6x + 4$
- ☐ C. $x^2 + 5x + 5$
- ☐ D. $x^2 + 4x + 5$

2. Expand: (x + 3)(x + 4)

- ☐ A. $x^2 + 7x + 7$
- ☐ B. $x^2 + 8x + 12$
- ☐ C. $x^2 + 12x + 7$
- ☐ D. $x^2 + 7x + 12$

3. Expand: (x + 2)(x + 2)

- ☐ A. 3?
- ☐ B. $x^2 + 5x + 4$
- ☐ C. 2?
- ☐ D. $x^2 + 4x + 4$

4. Expand: (x + 5)(x + 2)

- ☐ A. $x^2 + 7x + 7$
- ☐ B. $x^2 + 8x + 10$
- ☐ C. $x^2 + 10x + 7$
- ☐ D. $x^2 + 7x + 10$

5. Expand: (x + 1)(x + 1)

- ☐ A. $x^2 + 2x + 1$
- ☐ B. $x^2 + 3x + 1$
- ☐ C. $x^2 + 1x + 2$
- ☐ D. $x^2 + 2x + 2$

6. Expand: (x + 5)(x + 5)

- ☐ A. $x^2 + 10x + 10$
- ☐ B. $x^2 + 11x + 25$
- ☐ C. $x^2 + 10x + 25$
- ☐ D. $x^2 + 25x + 10$

7. Expand: (x + 6)(x + 1)

- ☐ A. $x^2 + 8x + 6$
- ☐ B. $x^2 + 7x + 7$
- ☐ C. $x^2 + 7x + 6$
- ☐ D. $x^2 + 6x + 7$

8. Expand: (x + 1)(x + 4)

- ☐ A. $x^2 + 5x + 5$
- ☐ B. $x^2 + 5x + 4$
- ☐ C. $x^2 + 6x + 4$
- ☐ D. $x^2 + 4x + 5$