

Class 8th Chapter 14 Factorisation

1. Which of the following is a factor of x^2-9 ?

- a) $x-3$
- b) $x+3$
- c) Both (a) and (b)
- d) None of these

2. If $p(x)=x^2-5x+6$, then which of the following is a factor?

- a) $x-2$
- b) $x-3$
- c) Both (a) and (b)
- d) None of these

3. The factorisation of $x^2-4x-12$ is:

- a) $(x-6)(x+2)$
- b) $(x-2)(x+6)$
- c) $(x-4)(x+3)$
- d) None of these

4. What is the remainder when x^3-3x+2 is divided by $x-1$?

- a) 0
- b) 2
- c) -2
- d) 3

5. The factorisation of x^3+8 is:

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

6. Which of the following is a factor of x^4-16 ?

- a) x^2-4
- b) $x+4$

- c) $x-4$
- d) All of the above

7. What is the factorisation of x^2-y^2 ?

- a) $(x-y)(x+y)$
- b) $(x+y)(x-y)$
- c) Both (a) and (b)
- d) None of these

8. Which of the following is a factor of x^2-2x-3 ?

- a) $x-3$
- b) $x+1$
- c) Both (a) and (b)
- d) None of these

9. What is the factorisation of $4x^2-9y^2$?

- a) $(2x-3y)(2x+3y)$
- b) $(4x-3y)(x+3y)$
- c) $(2x-9y)(2x+y)$
- d) None of these

10. The factors of x^3-27 are:

- a) $(x-3)(x^2+3x+9)$
- b) $(x+3)(x^2-3x+9)$
- c) $(x-3)(x^2-3x-9)$
- d) None of these