

Grade 7: Mathematics

Worksheet on Patterns and relations

1. Fill in the table to correctly identify each term for each equation.

Equation	Variable	Numerical Coefficient	Constant Term
$5 + 10x = 25$			
$3y = 12$			
$17 = 6z + 5$			
$2t + 3 = 19$			

2. Write an algebraic **expression** for each statement

- a) A number increased by 4
- b) Three more than five times a number
- c) Double a number and subtract 6
- d) Four more than a number is 15
- e) Six subtracted from three times a number is 12

3. Describe each pattern rule in words form

- a) $n + 2$
- b) $4s$
- c) $3x - 1$
- d) $2b + 1$