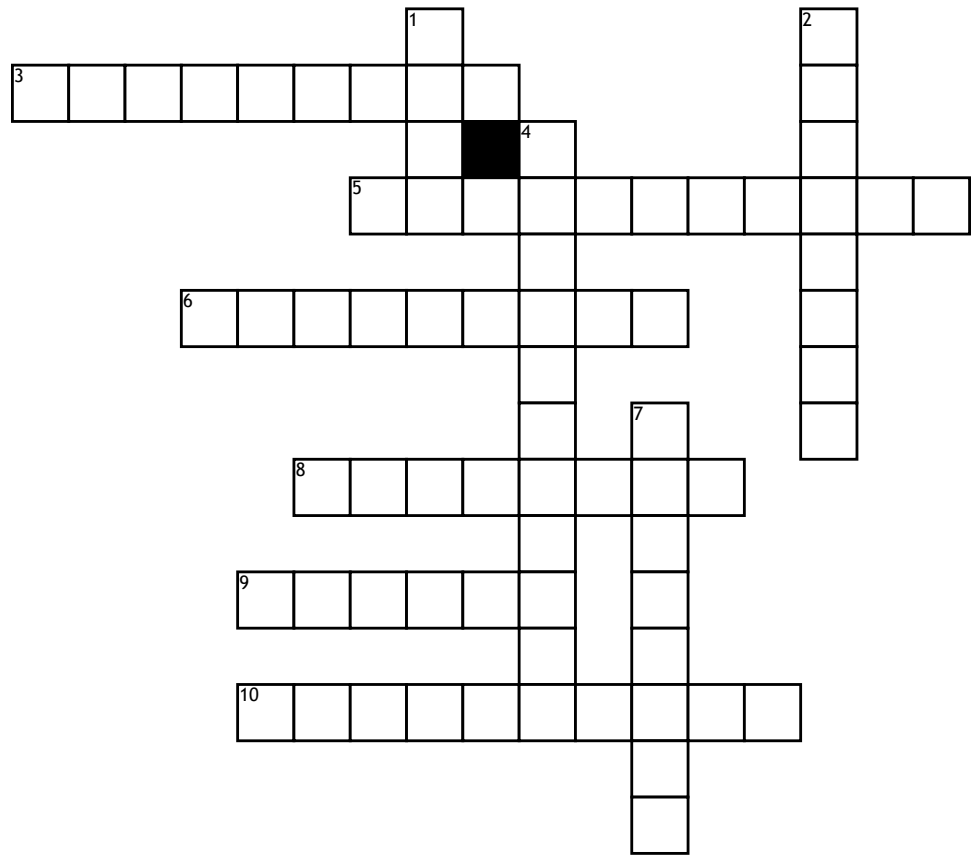


# Algebraic Expression



$$\begin{array}{lcl}
 P_n = \sum_{m=0}^{N/2-1} c_{2m} e^{-j\pi \frac{m^2}{N}} & \begin{array}{l} P_n = U_n + W_{N/2}^* V_n \\ P_{n+\frac{N}{2}} = U_n - W_{N/2}^* V_n \end{array} & \begin{array}{l} P_n = U_n + W_{N/2}^* V_n \\ P_{n+\frac{N}{2}} = U_n - W_{N/2}^* V_n \end{array} \\
 Q_n = \sum_{m=0}^{N/2-1} c_{2m+1} e^{-j\pi \frac{m^2}{N}} & \begin{array}{l} Q_n = Y_n + W_{N/2}^* Z_n \\ Q_{n+\frac{N}{2}} = Y_n - W_{N/2}^* Z_n \end{array} & \begin{array}{l} Q_n = Y_n + W_{N/2}^* Z_n \\ Q_{n+\frac{N}{2}} = Y_n - W_{N/2}^* Z_n \end{array}
 \end{array}$$

## Across

3. If 'n' is a natural number then (n+1) is.....
5. Changing side of the number in an equation
6. An expression contains 3 terms
8. Equality of two expression
9. The exact divisor of a number

10. Addition of terms forms this.

## Down

1. Coefficient of xy in 4xy
2. It can take various values
4. Terms having different algebraic factors
7. Exact value of variable in an equation.