Coefficients

1. **Fill in the Blanks:**

   a. The expression 3x + 2y, the coefficient of x is _____ .

   b. The expression 4a - 5b + 2c has a coefficient of _____ for the term with 'b.'

   c. The coefficient of the constant term in the expression 7p - 4q + 9 is _____ .

   d. In the expression $5x^2 + 5xy + 5y^2$, the coefficient of 'y^2' is _____ .

   e. The coefficient of 'x^3' in the expression $2x^3 - 3x^2 + 4x - 1$ is _____ .

2. **True or False:**

   a. The coefficient of 'x' in the expression 4x + 3y is 4. ☐

   b. In the expression $2a^2 + 5ab - 3b^2$, the coefficient of 'b' is -3. ☐

   c. If an algebraic expression has a variable term without a numerical coefficient, its coefficient is always 1. ☐

3. **Match the following:-**

   I. Expression: 3x + 2y

   II. Expression: 4a - 5b + 2c

Column A	Column B
i. Coefficient of 'x'	A. 2
ii. Coefficient of 'y'	B. 3
iii. Coefficient of 'a'	C. -5
iv. Coefficient of 'b'	D. 4
V. Coefficient of 'c'	E. 2