

Completing the Square Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. A trinomial is a polynomial having:

- a. Two terms
- b. Three terms
- c. Five terms
- d. Four terms

2. In completing squares method, we:

- a. Add a constant term on only one side of the equation
- b. Add a constant term on both sides of the equation
- c. Subtract a constant term on only one side of the equation
- d. None of these

3. The solution of $x^2 - 12x + 5 = 0$ is:

- a. $x = 12, -5$
- b. $x = 6 + \sqrt{31}$
- c. $x = 6 - \sqrt{31}$
- d. Both b and c

4. To complete the square in $x^2 - \frac{1}{2}x$ we will add:

- a. $\frac{1}{4}$
- b. $\frac{1}{16}$
- c. $\frac{1}{8}$
- d. 8

Part B Instructions: Answer the question below.

5. Solve the equation $x^2 + 10x = 75$ by completing the square.