

Sachin and Rahul attempted to solve a quadratic equation. Sachin made a mistake in writing down the constant term and ended up in roots (4, 3). Rahul made a mistake in writing down coefficient of x to get roots (3, 2). The correct roots of equation are: **[AIEEE-2011]**

- (1) $-4, -3$ (2) $6, 1$ (3) $4, 3$ (4) $-6, -1$

Sachin

Wrong eqⁿ. $x^2 - 7x + 12 = 0$

Now correct eqⁿ. is

$$x^2 - 7x + 6 = 0$$

$$(x - 6)(x - 1) = 0$$

$$x = 1, 6$$

Rahul

$$x^2 - 5x + 6 = 0$$