



1. If the polynomials $ax^3 + 4x^2 + 3x - 4$ and $x^3 - 4x + a$ leave the same remainder when divided by $x - 3$, then the value of a is (2013)
- (a) 1 (b) -1
 (c) $\frac{19}{14}$ (d) $\frac{-5}{14}$

Ans. (b)

2. The coefficient of x^2 in $(x + 3)(x - 5)(x + 7)$ is (2015)
- (a) 28 (b) 1
 (c) -5 (d) 5

Ans. (a)

3. If $(x + 3)$ and $(x + 2)$ are factors of $2x^3 + mx^2 + 7x + n$, then the values of m and n are (2015)
- (a) $m = 9, n = -6$ (b) $m = -9, n = 6$
 (c) $m = -9, n = -6$ (d) $m = 9, n = 6$

Ans. (a)

