

Topic: Polynomials

Worksheet No. : 1

1. In $\frac{\pi x^2}{2} + x + 10$, the coefficient of x^2 is:

- (a) $\frac{\pi}{2}$ (b) 1 (c) $-\frac{\pi}{2}$ (d) -1

2. The value of $p(x) = 5x - 4x^2 + 3$ for $x = 1$ is:

- (a) 6 (b) -6 (c) 3 (d) -3

3. The value of $p(x) = (x - 1)(x + 1)$ for $p(1)$ is:

- (a) 1 (b) 0 (c) 2 (d) -2

4. The value of $p(t) = 2 + t + 2t^2 - t^3$ for $p(0)$ is:

- (a) 1 (b) 2 (c) -1 (d) 3

5. The value of $p(t) = 2 + t + 2t^2 - t^3$ for $p(2)$ is:

- (a) 4 (b) -4 (c) 6 (d) 7

6. The zero of $p(x) = 9x + 4$ is:

- (a) $\frac{4}{9}$ (b) $\frac{9}{4}$ (c) $-\frac{4}{9}$ (d) $-\frac{9}{4}$

7. Which are the zeroes of $p(x) = (x - 1)(x - 2)$:

- (a) 1,-2 (b) -1,2 (c) 1,2 (d) -1,-2





8. Which one of the following is the zero of $p(x) = lx + m$
a) $\frac{m}{l}$ (b) $\frac{l}{m}$ (c) $-\frac{m}{l}$ (d) $-\frac{l}{m}$

9. On dividing $x^3 + 3x^2 + 3x + 1$ by x we get remainder:
(a) 1 (b) 0 (c) -1 (d) 2

10. The value of $p(y) = y^2 - y + 1$ for $p(0)$ is:
(a) -1 (b) 3 (c) -2 (d) 1



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