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Class: -X	Poly	<u>nomial</u> Su	bject: -Mathematics
Multiple Choice Questions (MCQ)			
1. The quadratic polynomial whose sum of zeroes is 3 and product of zeroes is $-2$ is :			
(a) $x^2 + 3x$	- 2 (b) $x^2 - 2x + 3$	(c) $x^2 - 3x + 2$	(d) $x^2 - 3x - 2$ .
2. If $(x + 1)$ is a factor of $2x^3 + ax^2 + 2bx + 1$ , then find the values of a and b given that $2a - 3b = 4$			
(a) a = -1,	b = -2 (b) a = 2, b = 5	(c) $a = 5, b = 2$	(d) $a = 2, b = 0$
3. The number of zeroes that polynomial $f(x) = (x - 2)^2 + 4$ can have is:			
(a) 1	(b) 2	(c) 0	(d) 3
4. The zeroes of the polynomial $f(x) = 4x^2 - 12x + 9$ are:			
(a) $\frac{3}{2},\frac{3}{2}$	<b>(b)</b> $-\frac{3}{2}, -\frac{3}{2}$	(c) 3,4	(d) -3, -4
5. If $p(x)$ is a polynomial of at least degree one and $p(k) = 0$ , then k is known as			
(a) value of	<b>p(x)</b> (b) zero of <b>p(x)</b>	(c) constant term	n of p(x) (d) none
6. If $p(x) = ax + b$ , then zero of $p(x)$			
(a) a	(b) b	(c) $\frac{-a}{b}$	(d) $\frac{-b}{a}$
7. Graph of a quadratic polynomial is a			
(a) Straigh	t line (b) circle	(c) parabola	(d) ellipse
8. Zeroes of a polynomial can be determined graphically. No. of zeroes of a polynomial is equal to no. of points where the graph of polynomial			
(a) interse	cts y-axis	(b) inter	rsects x-axis
(c) intersects y-axis or intersects x-axis (d) none of these			
9. If graph of a polynomial does not intersects the x-axis but intersects y-axis in one point, then no, of zeroes of the polynomial is equal to			
(a) 0	(b) 1	(c) 0 or 1	(d) none of these

