

Class 9
25-7-2014

Formative Assessment I in MATHEMATICS

Time : 1 hr.
M. Marks : 20

1. If $p(x) = x^2 - 2\sqrt{2}x + 1$ then $p(\sqrt{2}) =$ _____. (1)
2. Abscissa of all Points on y axis is _____. (1)
3. The area of an equilateral triangle whose side 6cm is _____. (1)
4. If $a + b + c = 0$ then $a^3 + b^3 + c^3 =$ _____. (1)
5. The sides of a triangle are in the ratio 3:5:7 and its perimeter is 300m. Find the area of the triangle. (2)
6. Without actual division find the remainder when the polynomial $2x^4 + x^3 + 4x^2 - 3x - 2$ is divided by $x - 3$. (2)
7. Evaluate 101×103 using identity. (2)
8. Plot the following points on the graph sheet, join the points and write the name of the figure obtained
 $P(-5, -2)$, $Q(1, -2)$, $R(6, 4)$, $S(0, 4)$. (3)
9. Factorize using Factor theorem
 $x^3 - 6x^2 + 11x - 6$ (3)
10. Two parallel sides of a trapezium are 60cm and 77cm and other sides are 25cm and 26cm. Find the area of trapezium. (4)

-X-X-X-X-X-