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**SWAMINARAYAN VIDYAPITH**MODEL PAPERS

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**MATHS****VIII**

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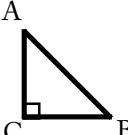
DATE :

Q.1 Fill in the blanks.

- 1)  $13x + 9 = 30 \therefore x = \underline{\hspace{2cm}}$ .
- 2)  $\frac{2}{3} \div \frac{-4}{5} = \underline{\hspace{2cm}}$ .
- 3)  $\sqrt{400} - \sqrt{64} = \underline{\hspace{2cm}}$ .
- 4)  $3^\circ + 2^\circ + 1^\circ = \underline{\hspace{2cm}}$ .
- 5) Volume of a cube whose side is 8 cm =  $\underline{\hspace{2cm}}$ .

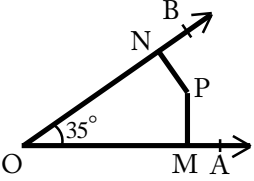
Q.2 Do as directed:

- 1) Calculate 60 % of 300
- 2) Simplify  $\frac{2^4 \times 3^2 \times 5}{2^3 \times 3 \times 5^2}$
- 3) What should be added to  $x^2+5x-3$  to get  $2x^2+3x+5$
- 4) The sum of three consecutive odd integer is 147. Find these numbers.

- 5)   $\Delta ABC$  is right angled at C.  
If AC = 4 cm and BC = 3 cm, find AB, using Pythagoras Theorem.

Q.3

- 1) Find the simple interest on Rs. 500 for 3 yrs. at the rate of 6% per annum.
- 2) The four angles of a quadrilateral are in the ratio of 3:5:7:9. Find the angles.

- 3)  In the adjoining figure P is a point in the interior of  $\angle AOB$ ,  $PM \perp OA$  &  $PN \perp OB$ .  
If  $\angle AOB = 35^\circ$ ,  
What is the measure of  $\angle MPN$  ?

- 4) Express 86304 in scientific notation.
- 5) Solve the following equation.

$$\frac{2-3x}{3} - \frac{x-1}{2} = \frac{x}{6}$$

