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Class-XI (MATHS)

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Revision

1) Prove that

$$\sin x + \sin 3x + \sin 5x + \sin 7x = 4 \cos x \cos 2x \sin 4x$$

2) Find $\sin x$, $\cos x$ and $\tan \frac{x}{2}$ in each of the following:

(a) $\tan x = -\frac{4}{3}$, x in II^{nd} quadrant.

(b) $\cos x = -\frac{1}{3}$, x in III^{rd} quadrant.

3) Find the value of $\frac{\pi}{8}$

4) Solve the eqⁿ
 $2 \cos^2 x + 3 \sin x = 0$

5) Solve the eqⁿ:-
 $\sin 2x - \sin 4x + \sin 6x = 0$

6) Solve $\tan 2x = -\cot \left(x + \frac{\pi}{3} \right)$.