



# MATHS

## BOOKS - RS AGGARWAL MATHS (HINGLISH)

### GRAPHS OF TRIGONOMETRIC FUNCTIONS

#### Example

1. Draw the graph of  $y = 3 \sin 2x$



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2. Draw the graph of  $y = 3 \cos 2x$



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3. Draw the graph of  $y = \cos x$  and  $y = \cos\left(\frac{x}{2}\right)$  in  $[0, 2\pi]$  on the same scale.



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## Exercise 19

1. Draw the graph of following function

$$\sin 3x$$



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2. Draw the graph of following function

$$3 \sin x$$



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3. Draw the graph of following function

$$2 \sin 3x$$



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4. Draw the graph of following function

$$2 \cos 3x$$



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5. Draw the graph of following function

$$\sin\left(\frac{x}{2}\right)$$



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6. Draw the graph of  $y = \cos x$  and  $y = \cos 2x$  in  $[0, 2\pi]$  on the same axes



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