



**NOW OR NEVER**

LEARN THE SECRETS OF  
**TRIGONOMETRY**

(COMPOUND ANGLE FORMULAS, MULTIPLE ANGLES, RANGE INVOLVING TRIGONOMETRIC EXPRESSIONS)

**STARTING  
SOON.**

**PRAVEEN PAHADEY**  
(MATHEMATICS EXPERT, IIT-DHANBAD)



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GTX =  $\cos N$   
 $\sin N$

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# EXPRESSION  $a \sin x + b \cos x$ 

$$y = \overset{[-1,1]}{a} \sin x + \overset{[-1,1]}{b} \cos x$$

÷ and  $x$  by  $\sqrt{a^2 + b^2}$

$$y = \sqrt{a^2 + b^2} \left( \frac{a \sin x}{\sqrt{a^2 + b^2}} + \frac{b \cos x}{\sqrt{a^2 + b^2}} \right)$$

$a, !$

$$y = \cos x + \sin x = \sqrt{2} \cos\left(\frac{\pi}{4} - x\right)$$

$$y = \cos x - \sin x =$$

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