



**MATHS**

**BOOKS - JEE MAINS PREVIOUS YEAR**

**ENGLISH**

**INVERSE TRIGONOMETRIC  
FUNCTIONS**

**Others**

1. If  $\sin^{-1}\left(\frac{x}{5}\right) + \cos ec^{-1}\left(\frac{5}{4}\right) = \frac{\pi}{2}$  then

the value of x is: (1) 1 (2) 3 (3) 4 (4) 5



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2. The value of

$\cot\left(\cos ec^{-1}\left(\frac{5}{3}\right) + \tan^{-1}\left(\frac{2}{3}\right)\right)$  is: (1)

6/(17) (2) 3/(17) (2) 4/(17) (4) 5/(17)'



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