



MATHS

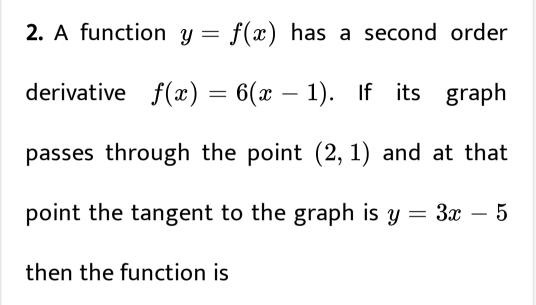
BOOKS - BHARATI BHAWAN MATHS (HINGLISH)

Main Tests



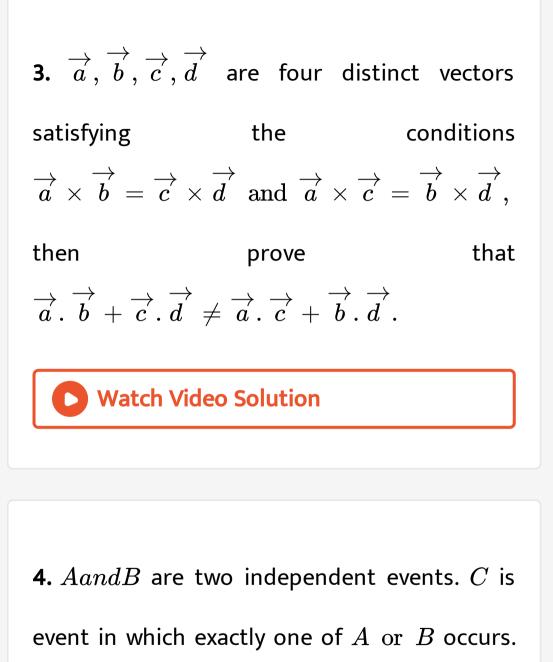
1. Let z, w be complex numbers such that

 $ar{z}+i\overline{w}=0$ and $argzw=\pi$ Then argz equals





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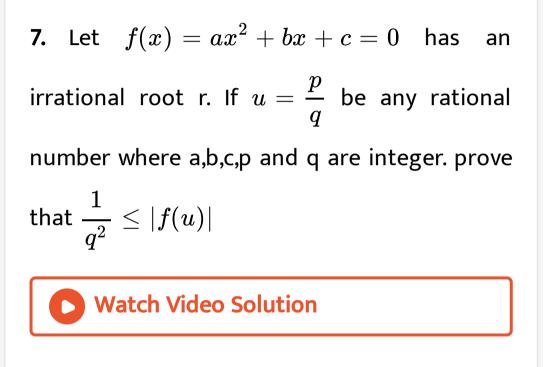
Prove that $P(C) \geq P(A \cup B)P(A \cap B)$.



5. If the normal at an end of a latus rectaum of an ellipse passes through an extremity of the minor axis then the eccentricity of the ellispe satisfies .

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6. If a, b, c, are positive real numbers, then prove that (2004, 4M) $\{(1+a)(1+b)(1+c)\}^7 > 7^7 a^4 b^4 c^4$



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8. A curve passes through (2, 0) and the slope

of tangents at point P(x, y) equals

$$rac{{{\left({x + 1}
ight)}^2} + y - 3}}{{\left({x + 1}
ight)}}.$$

Find the equation of the curve and area enclosed by the curve and the X-axis in the fourth quadrant.

