

$$(a \cdot b) = ab \cos \theta$$

[MTH251] The scalar product of $(a \cdot b)$ is _____.
 $(a \cdot b) = ab \cos \theta$

[MTH251] Given that $(ab \neq 0)$ then by implication _____
 $(a \neq 0 \text{ or } b \neq 0)$

[MTH251] The vector product x and y of a parallelogram with edges is _____
 $(|X \wedge Y| = XY \sin \theta)$

[MTH251] The $(\frac{d}{dt}(a \wedge b) =)$ _____
 $(\frac{da}{dt} \wedge b + a \wedge \frac{db}{dt})$

[MTH251] If (θ) is the angle between vectors a and b then, the elementary trigonometry, the sum of the length is _____
 $((a+b)^2 = a^2 + b^2 + 2ab \cos \theta)$

[MTH251] The vector product of $(X \wedge X =)$ _____
 (0)

[MTH251] A unit vectors i, j, k in the direction of x, y, z axes respectively is known as _____
orthonormal triad

[MTH251] Determine $(i \wedge j =)$ _____
 (k)

[MTH251] Given the vector (i, j, k) , the $(i \wedge i = j \wedge j = k \wedge k =)$ _____
 (0)

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