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 $P(3; 2; 3)$ $Q(7;0;1)$ $R(1;2;1)$ $PQ = \sqrt{16 + 4 + 16} = \sqrt{36} = 6$ $QR = \sqrt{36 + 4 + 0} = \sqrt{40}$ $PR = \sqrt{4 + 16 + 16} = \sqrt{36} = 6$ $\triangle PQR$ is an isosceles triangle.
Exercise 13. Find the intersection of the sphere with center $(-3,2,5)$ and radius 4.

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$v = (x, y, z) = xi + yj + zk = xe_1 + ye_2 + ze_3$. be a vector in \mathbb{R}^3 (see Section 1.B) with x -, y -, and z -components x , y , and z . This vector has been written in the three most common forms appearing in current texts. The sets $\{i, j, k\}$ and $\{e_1, e_2, e_3\}$ represent the same set of unit vectors in mutually orthogonal directions in \mathbb{R}^3 .

An Stanley J. Miklavcic Illustrative Guide to ...

As background, I am in Vector Calculus. My question is giving me

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some "short cuts" to use to help with evaluating flux integrals. The hint says "If F (Vector Field) is tangent at every point of S , then the integral of S of $F \cdot dA = 0$.

multivariable calculus - What does it mean for a Vector ...

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Multivariable Calculus and Vector Analysis

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Multivariable and Vector Calculus: An Introduction by David A.

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