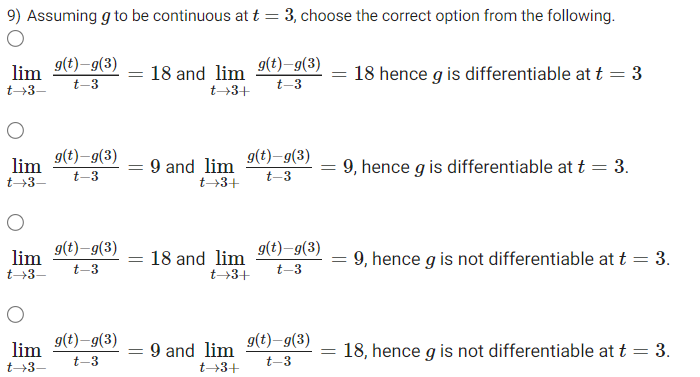


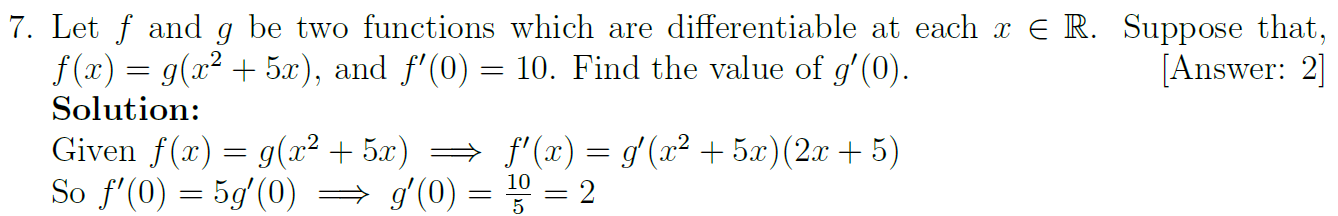
## Graded2



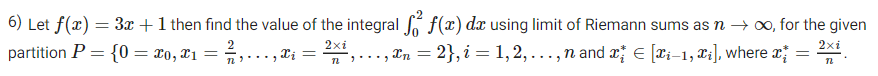




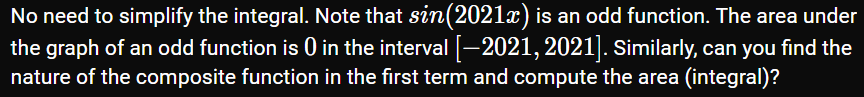
Doubt: Not sure how this expression evaluates differentiability.

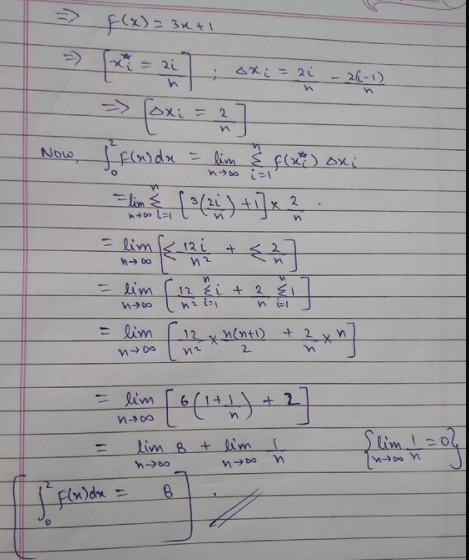


## AQ3.4

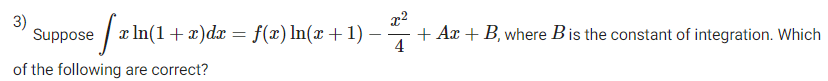


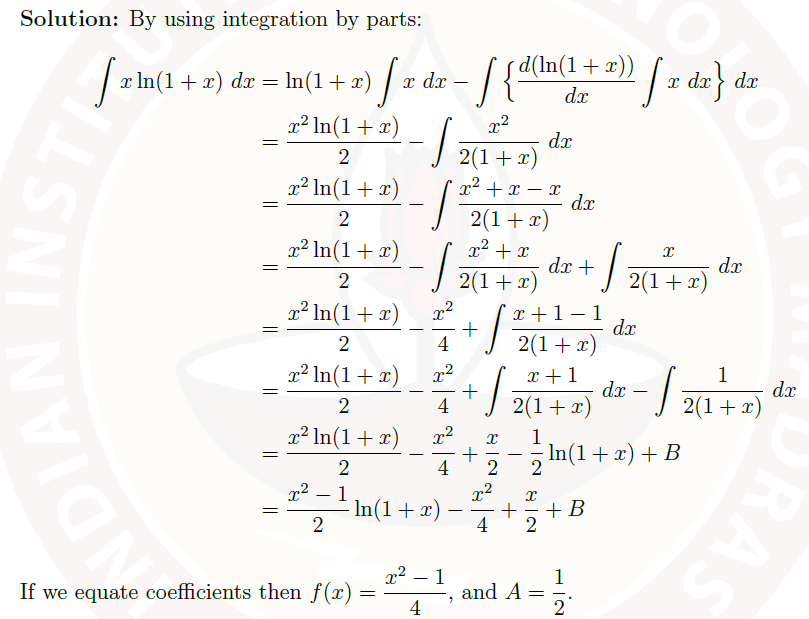




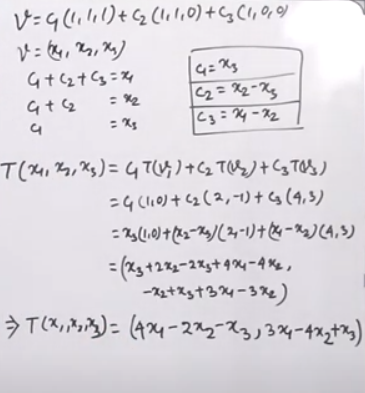
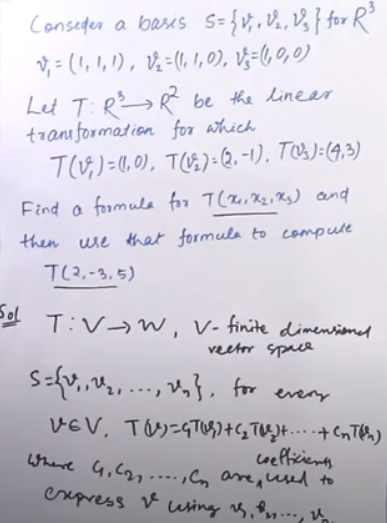


## Practice3

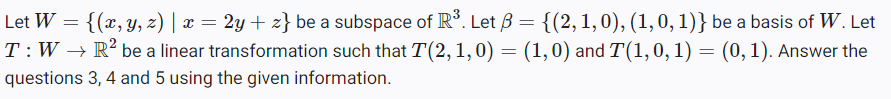




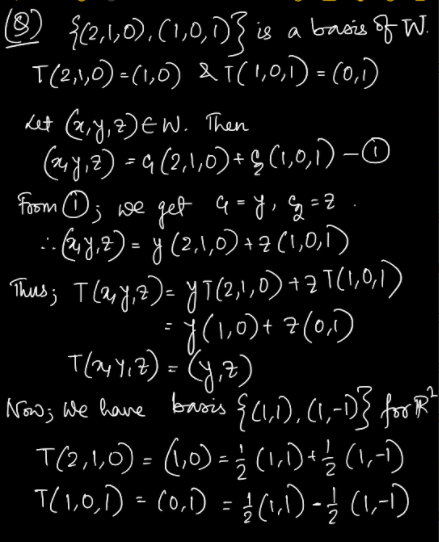
<https://www.youtube.com/watch?v=fTCDNe4GDHI>

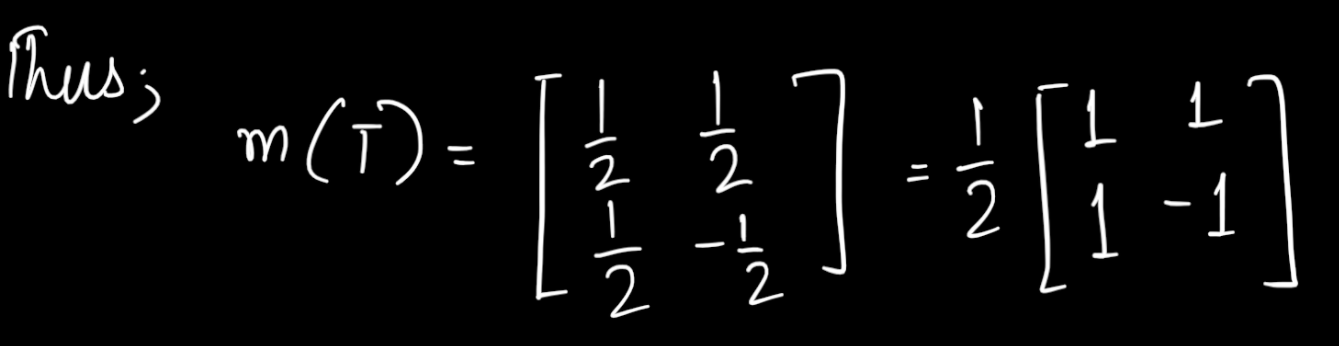


## AQ8.1

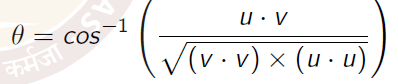


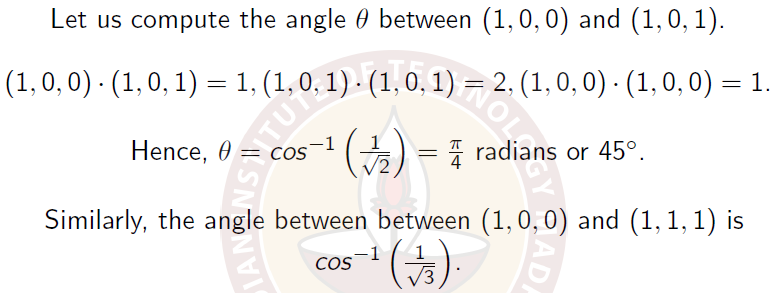




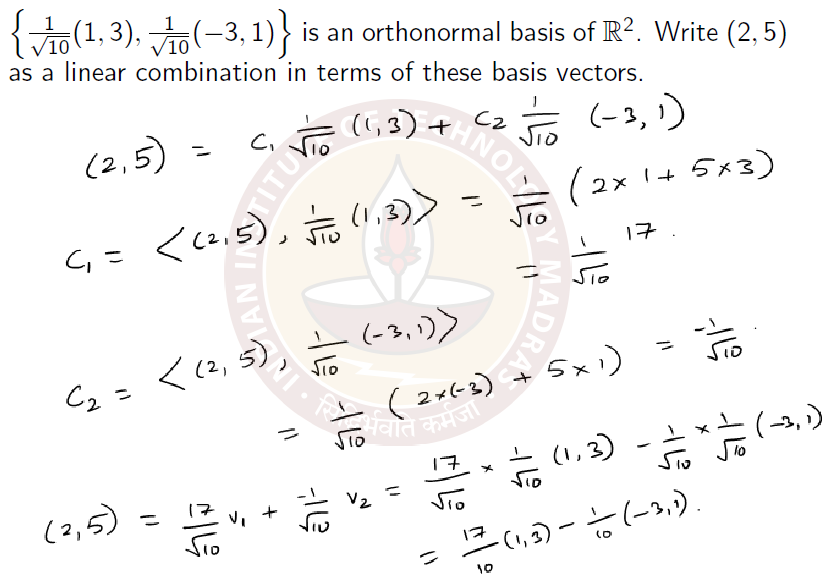


## Vector Calculus

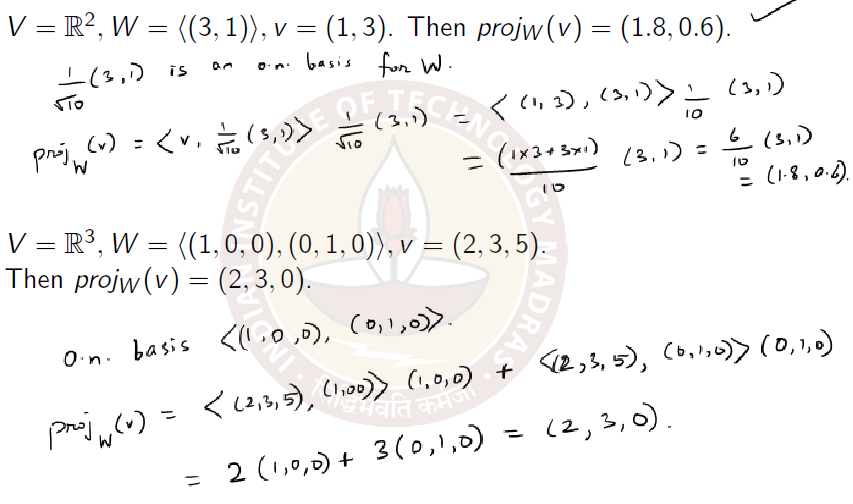


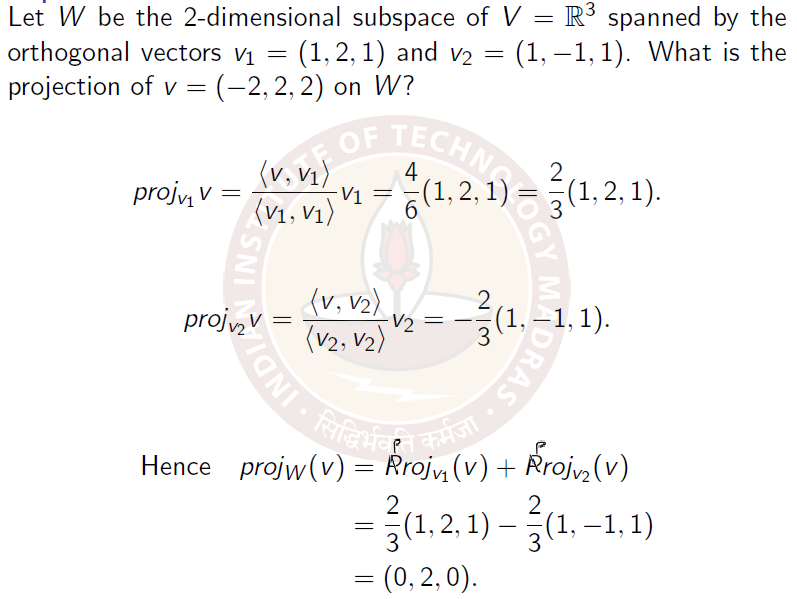


Representing vector as a linear combination

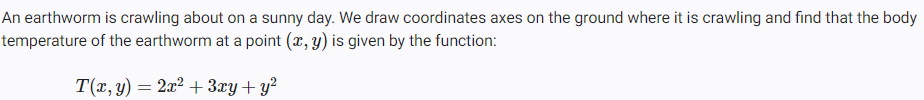


Finding the projection of a vector into a subspace

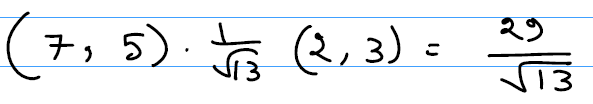




Practice10



To arrive at the answer, take partial derivative of T(x, y) on x at (1,1), multiply with x component of the unit vector in direction (2,3); take partial derivative of T(x, y) on y at (1,1), multiply with y component of the unit vector in direction (2,3); add them together.



Thus,

