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COURSE CODE: MAT 102

COURSE TITLE: GENERAL MATHEMATICS III

QUESTION: If A= (6u2+8) i+(4u-10) j+8u3k and B = 3ui+(2u-5) j+5k.

**(I) Find d/du (A. B)**

**(II) dA/dU**

ANSWER

1. A. B=(18u3+24u) + (8u2-40u+50) +40u33

=18u3+24u+8u2-40u+50+40u3

=58u3+8u2-16u+50

d/du=174u2 +16u-16

1. A=(6u2+8) i+(4u-10) j+8u3k

dA/dU=12u+4+24u2