

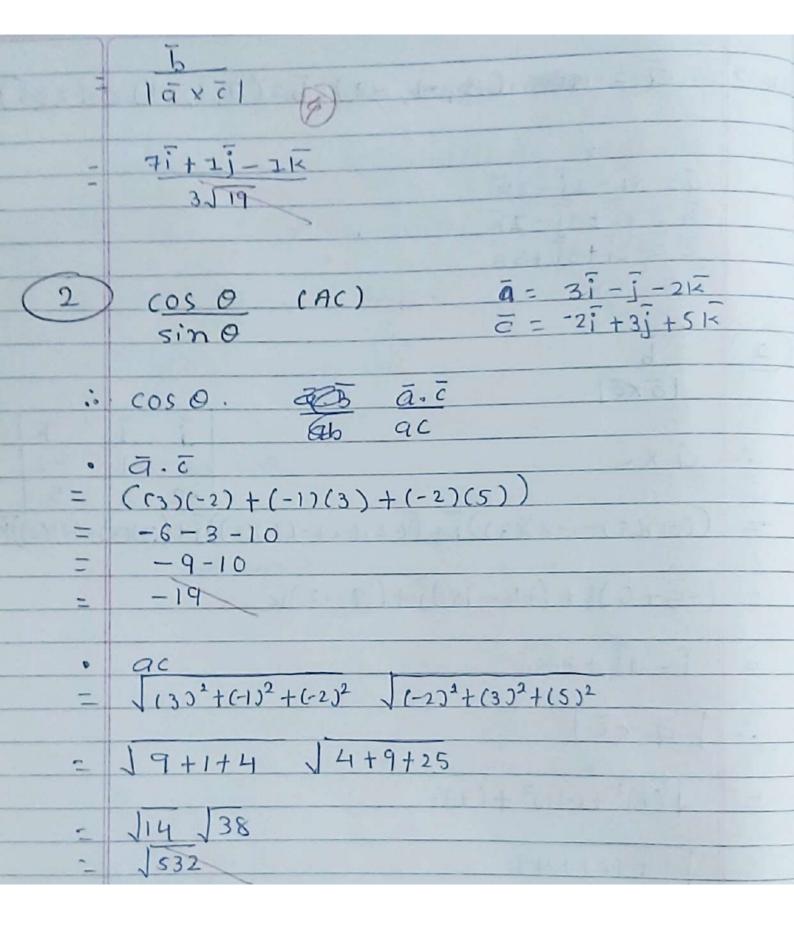
We want to Find magnitude of OA;

where, on = E, MN = 9, and AM = 7 OA = ON + MN + AM OA = a = 7, 3, and K OA = xi + yi + 7KFor example:

A = (2, 1, 3).

a = 21 + 1 j +3K

a (211)



unit vector of cross product BLEG RXE (c)15)-(-1)(5))) ((c)16-2)-(7)(5))) ((c)16) (5+3)[+(2-36)]1(21+2)[81 - 33] +23K 5×31 ... = (8) + (-33) + (23) E JE4+1069+529 = 1682 (4) 5xZ 81-331 +2314 F. L.SX dl

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3ā. (45-25)
    ā=(3,-1,-2)
    B= (77,-2)
     c = ( -2, 3, 5)
- 1 as is scoter multiple with a.
  = 9 = 91 - 31 - 6K
      b is scalar multiple with & 4
  = b= 28i+4j-4K
      c is scalar multiple with 2
    = c = - 4i + 6j HOR
1: 46 - 20
   (28-(-4))i+(4-6)j+(-4-10)K
   (28+4) [+(-2) j+(-14) K
     321-21-14/2
  30 (45-22)
  (91-35-6K) (321-25-14K)
= (9)(32) + (-3)(-2) + (-6)(-14)
   288 +6 + 84
   = 378
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