# 1.integrate

Solution:

**[ you know a3+b3 =(a+b)3 -3ab(a+b) ]   
 = [as ]**

**=**

**= [using 2sin2A = 1 – cos2A**

**and 2cos2A=1+cos2A]**

**= [ (a+b)(a-b) = a2-b2 ]**

**=**

**=**

**=4 [multiplying by to numerator and denominator ]**

**=4**

**=2**

=2 [ let = dz ]

**=2. + c**

**= + c [Answer]**