

AI1110-ASSIGNMENT-1

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Calculate the ratio in which the line joining A(-4,2) and B(3,6) is divided by the point P(x*,3). Also find (1)x (2) length of AP

Solution:

The ratio in which the line is divided is 1:3

1. Now lets form the line equation which is $7y = 4x + 30$. Now by solving this equation for point P(x*,3) we get the value of $x^* = -9/4$.
2. The length of the line AB = 8.062..(approx).

