Section Formula

Find the co-ordinates of the point which divides the line segment joining the points (6,3) and (-4,5) in the ratio 3:2 internally.@(0, 5)@(1, 21/5)@(0, 21/5)@(1, 5)@C

In what ratio does the y - axis divide the line segment joining the point P (-4, 5) and Q (3, -7)?@3: 5@4 : 3@2 : 1@5 : 3@B

Q.3 How is the distance formula correctly written:

@ $d = \sqrt{(y_1 - y_2)^2 - (x_2 - x_1)^2}$

@ $d = \sqrt{(x_2 - x_1)^2 + (y_1 - y_2)2}$

@ $d = \sqrt{(y_1 - y_2)^2 + (x_2 - x_1)}^2$

@ $d = \sqrt{(x)^2 - (y)^2}$

@(B)

Q.4 A(3,1) B(-2,-1) written correctly is:

@ $\sqrt{(-2-3)^2 + (-1-1)^2}$

@ $\sqrt{(1-3)^2 + (-1-2)^2}$

@ $\sqrt{(-2-3)^2 - (-1-1)^2}$

@ $\sqrt{(-2-3)^2 - (-2-1)^2}$

@(A)

Q.5 A (2, 0) B (-2,4) is written as

@ $d = \sqrt{(4-2)^2 - (0-2)^2}$

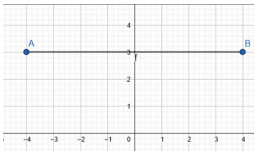
@ $d = \sqrt{(4-0)^2 - (-2-2)^2}$

@$d = \sqrt{(-2+0)^2 + (4+2)^2}$

@$d = \sqrt{(-2-2)^2 + (4-0)^2}$

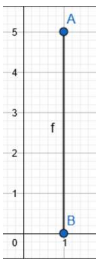
@(D)

What is the distance between AB



@0@8@9@7@(B)

What is the distance between AB?



@0@Underfined@5@4@(C)

Q.8 Find the length of the line segment AB given A(4,3) and (0,6).@3@4@5@7@(C)

Q.9 What is the center of MN given M(3, -1) and N(7, -5)@(5, -2)@(10, -6)@(5, -3)@(2, 2)@(C)

Q.10 What point is halfway between (3, -1) and (8, -6)?@(11, -7)@(-5.5, -3.5)@(5.5, -3.5)@(2, -2)@(C)

Q.11 Find the midpoint of the segment with the endpoint (4, 12) and (-6, 14)@(-1, 13)@(13, 1)@(13, -1)@(5, 13)@(A)

Q.12 Point M with coordinates (3,4) is the midpoint of the line AB and A has the point (-1,6). What is the point of B?@(1, 5)@(2, 10)@(7, 2)@(1, 2)@(C)

Q.13 In what ratio does the y - axis divide the line segment joining the point P (-4, 5) and Q(3, -7)?@3:5@4:3@2:1@5:3@(B)