Question 1: Calculate the length of the line joining the points A and B.

(a)  

(b)  

(c)  

Question 2: Calculate the length of the line joining the points A and B.

(a)  

(b)  

(c)  

Question 3: Calculate the length of the line joining the point A and B.

(a)  

(b)  

(c)
Question 4: Calculate the length of the line joining the points A and B

(a) [Diagram of A(-6, 3) and B(4, 5)]
(b) [Diagram of A(-9, -2) and B(3, -10)]
(c) [Diagram of A(-3, -1) and B(4, 4)]

Question 5: Calculate the distance between the following pairs of coordinates

(a) (5, 1) and (9, 6)  
(b) (1, 4) and (10, 10)  
(c) (0, 0) and (6, 8)
(d) (2.5, 3) and (8, 0)  
(e) (-6, 2) and (8, 3)  
(f) (-5, -9) and (-3, 8)
(g) (-5, 7) and (-3, -2)  
(h) (-9, -9) and (3, -20)  
(i) (-4, 0) and (0, -4)

Apply

Question 1: Calculate the perimeter of triangle ABC.

[Diagram of triangle ABC with vertices A(-3, -1), B(-1, 5), C(4, -2)]

Question 2: The distance between the points (1, 2) and (16, p) is 17. Find the possible values of p.

Question 3: The distance between the points (-3, -4) and (q, 5) is 15. Find the possible values of q.

Answers

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