

Distance and Midpoint Review Quiz

Answer the following Questions. (Suggestion: Plot points and use graphs to verify solutions)

I. Midpoint

1) Find the midpoint between:

A) $(0, 1)$ and $(8, 3)$

B) $(11, -4)$ and $(-6, -4)$

C) $(-17, -7)$ and $(-7, -6)$

2) Answer the following:

A) The midpoint of AB is $(3, -3)$. If point $A = (-2, -4)$, what is point B ?

B) The endpoint of a segment is $(5, -5)$. The midpoint of the segment is $(9, -5)$. What is the other endpoint?

II. Distance

1) What is the distance between:

A) $(3, 6)$ and $(7, 9)$

B) $(7, -1)$ and $(7, 7)$

C) $(-4, 5)$ and $(1, 12)$

2) The distance d between two points is given. Find the value(s) of b :

A) $(0, b)$ and $(3, 1)$; $d = 5$

B) $(b, -7)$ and $(-5, 1)$; $d = 10$

C) $(-9, -2)$ and $(b, 5)$; $d = 7$