Calculus 1.1

Distance Formula

Finding a distance between two points

If the x coordinates are the same, just subtract the y values.

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Graphing and creating a right triangle

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Verifying a Right Triangle

Show that these three points are the vertices of a right triangle.

Given the distance, find a missing x or y coordinate

The distance between & is 8, solve for .

Midpoint

Concept Finding the average between two numbers.

Formula

Find the midpoint between

Given is the midpoint of BC with , find C.

x’s from -2 to 3 is 5 add to 5 to 3

y’s from 13 to 6 is -7 subtract 7 from 6 y= -1

Board It Up

1) Find the distance between

2) Find the distance between (2, 5) & (2, 39.2).

3) Verify that these three points form a right triangle.

4) If the distance between is 5. Find x.

5) Find the midpoint of AB with