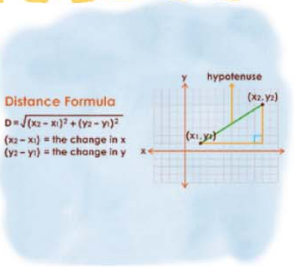
Name : Class :

Distance formula

The distance formula in coordinate geometry is used to calculate the distance between two given points



Find the distance between the points. For decimal points, round to the nearest hundredth

1) $(9\sqrt{3}, 3\sqrt{3})$, $(7\sqrt{3}, 2\sqrt{3})$

$\sqrt{15}$

2) (1,-2) , (6,8)

$5\sqrt{5}$

3) $(\sqrt{2}, 2\sqrt{2})$, $(4\sqrt{2}, 3\sqrt{2})$

$2\sqrt{5}$

4) (2.0,2.9) , (-1.8,-2.2)

6.36

5) (3.4,-2.1) , (-4.1,1.7)

8.41

6) $(8\sqrt{3}, 2\sqrt{3})$, $(4\sqrt{3}, \sqrt{3})$

$\sqrt{51}$

7) (-7,5) , (2,6)

$\sqrt{82}$

8) (3.5,4.9) , (-4.7,1.2)

9.00