

Distance Problems

For each of the pairs of points A and B, find the distance from point A to point B

1. $A=(0,0)$ and $B=(3, 4)$
2. $A=(0, 0)$ and $B=(-4, 3)$
3. $A=(1, 2)$ and $B=(6, 14)$
4. $A=(3,-1)$ and $B=(-3, 7)$
5. $A=(5, -5)$ and $B=(-5, 5)$
6. $A=(10, 2)$ and $B=(9, 7)$

And now for the final question: Can you come up with a formula for the distance between (x_1, y_1) and (x_2, y_2) ?