**DISTANCE BETWEEN TWO POINTS**

Distance formula: $\sqrt{\left(x\_{2}-x\_{1}\right)^{2}+\left(y\_{2}-y\_{1}\right)^{2}}$

For example: The distance between A( 3; 5) and B( 6; 1) is

$$\sqrt{\left(6-3\right)^{2}+\left(1-5\right)^{2}}=\sqrt{9+16}$$

 $=5$

**EXERCISE 8**

Find the distance between the following:

1. Q( 1; 4) and R( 5; 6)
2. M( -7; -5) and N( 3; -9)