

To Find the Distance Between Points

1) Ignore (cross out) the x or y value that is the same

2) Look to the x or y value that is different, IF THEY HAVE:

- SAME SIGN (+,+) (-,-) SUBTRACT the absolute values of the numbers

- DIFFERENT SIGN (+,-) (-,+) ADD the absolute values of the numbers

Find the distance between the points:

$(4, 5)$ and $(4, -5)$

$$|5| + |-5|$$

$$5 + 5$$

$$10$$

Find: $(3, 6)$ and $(7, 6)$

$$|7| - |3|$$

$$4$$

Find: $(-7, 6)$ and $(-7, -10)$

$$|6| + |-10|$$

$$16$$