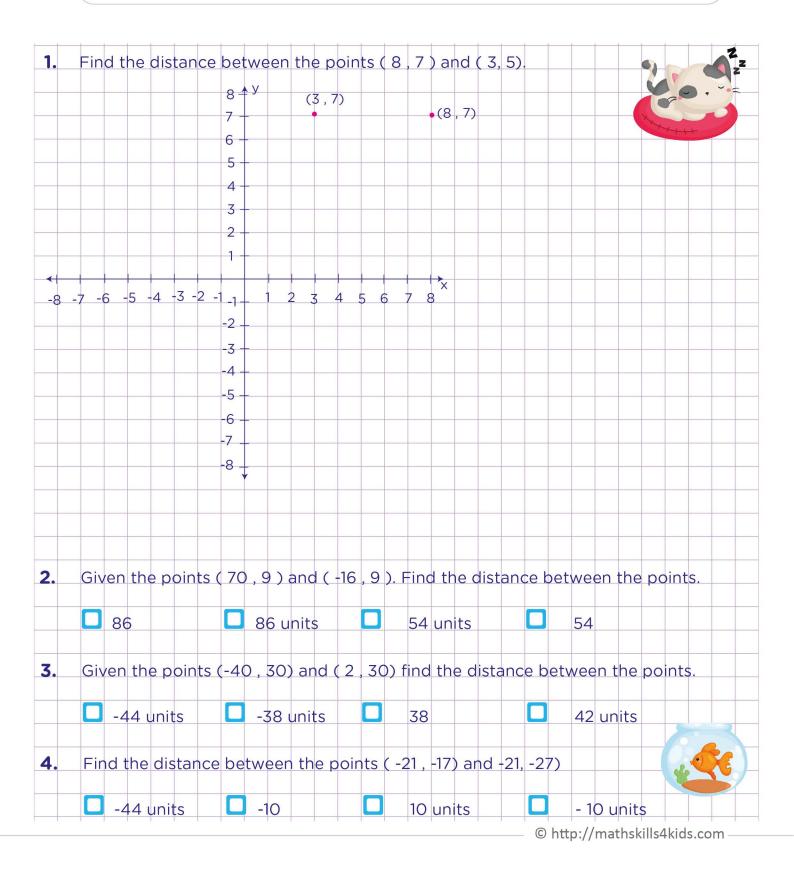


| Name: Class: | Name: | Class: |  |
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## Distance between two points







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| Name: | Class: |  |

## Distance between two points

| 1.          | Fin   | d t | he   | dis    | tan      | се   | be           | tw       | eer  | n th | ne p | ooi | nts  | (    | 8,   | 7    | ) ar | nd   | (3    | 5)    |       |      |      |      |      | 9    |      |       |      | z   |
|-------------|-------|-----|------|--------|----------|------|--------------|----------|------|------|------|-----|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|-------|------|-----|
|             |       |     |      |        |          |      | 8 -          | <b>у</b> |      |      | (3,  | 7)  | _    |      |      |      |      |      |       |       |       |      |      |      |      | Y    | ~    | •     | ~    | -   |
|             | _     |     |      |        |          |      | 7 -          | -        | 3    |      | •    |     |      |      |      |      | (8)  | , 7) |       |       |       | -    |      |      |      | XXX  | +++  | +     | 9    | )   |
|             |       |     |      |        |          |      | 6 -          | -        | 5    |      |      | 8   |      |      | _    |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
|             |       |     |      |        |          |      | -5 -<br>-4 - |          |      |      |      |     |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
|             |       |     |      |        |          |      | 3.           |          |      |      |      |     |      |      |      |      |      | The  | x-(   | coor  | din   | ate  | of ( | 8,   | 7)i  | s 8  | SO,  | this  | s po | int |
|             |       |     |      |        |          |      | 2 -          | -        |      |      | _    |     |      |      |      |      |      | 8 u  | nits  | froi  | n tł  | ne y | axi  | S.   |      |      |      |       |      |     |
|             |       |     |      |        |          |      | 1.           | -        | _    |      | -    | _   | _    | _    |      |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
| <b>~</b>  - |       |     |      |        | _        |      |              | -        | +    | +    | +    | +   | +    | +    | - 1  | _    | ×    | The  | x-(   | coor  | din   | ate  | of ( | 3, 7 | ) is | 3, s | o th | is p  | oint | is  |
| -8          | -7 -6 | 5 - | 5 -  | 4 -    | -3 -2    | 2 -1 |              | +        | 1    | 2    | 3    | 4   | 5    | 6    |      | 7 8  | 3    | uni  | ts fr | om    | the   | у-а  | XÍS. |      |      |      |      |       |      |     |
|             |       |     |      |        |          |      | -2.          | -        |      |      | +    | +   |      |      |      |      |      | Thi  | dly   | , the |       | ath  | of   | tho  | lino | sor  | mo   | nt t  | hat  | -   |
|             |       |     |      |        |          |      | -3 ·<br>-4 · | t        |      |      |      |     |      |      |      |      |      |      |       | ts t  |       |      |      |      |      |      |      |       |      | -   |
|             |       |     |      |        |          |      | -5 -         |          |      |      |      |     |      |      |      |      |      |      |       | e b   |       |      |      |      |      |      |      |       |      |     |
|             |       |     |      |        |          |      | -6 -         | _        |      |      |      |     |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
|             |       |     |      |        |          |      | -7           | _        | _    |      | _    | _   | _    |      |      |      |      | So,  | 8-3   | 3 =   | 5 g   | ives | th   | e le | ngt  | ho   | f th | e lir | ne   |     |
|             |       |     |      |        |          |      | -8 -         | <u> </u> |      |      | -    | +   | _    | _    |      |      |      | seg  | me    | ent.  |       |      |      |      |      |      |      |       |      | _   |
|             |       | _   |      |        |          |      |              |          |      |      | -    |     |      |      |      |      |      |      |       |       |       | -, - |      |      | ( )  | -    |      | -     |      |     |
|             |       |     |      |        |          |      |              |          |      |      | FC   | bur | nly  | , tr | ne   | dist | tang | ce k | bet   | wee   | n (   | 5, 1 | () a | and  | (8)  | , /  | ) IS | 51    | unit | S.  |
|             |       |     |      |        |          |      |              |          |      |      |      |     |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
| 2.          | Giv   | en  | the  | e po   | oint     | :s ( | 70           | D,       | 9)   | an   | d (  | -16 | 5,9  | ))   | . F  | inc  | d th | ne c | dist  | and   | ce I  | bet  | we   | en   | the  | po   | oint | s.    |      |     |
|             |       |     |      |        |          |      |              |          |      |      |      |     |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
|             |       | 86  | 5    |        |          |      |              | 8        | 36 I | unit | s    | _   |      |      |      | 54   | un   | its  |       |       |       |      | 54   |      |      |      |      |       |      |     |
|             |       |     |      |        |          |      |              |          |      |      |      | _   |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |       |      |     |
| 3.          | Giv   | en  | th   | e p    | oint     | ts ( | -4           | Ο,       | 30   | ) a  | nd   | (2  | 2,3  | 50   | ) fi | ind  | th   | e d  | ista  | anc   | e k   | etv  | vee  | en t | he   | ро   | ints | 5.    |      | -   |
|             |       | _ / | 1    | unit   | <b>c</b> |      |              |          | -38  | un   | ite  | +   | ſ    | ו    |      | 38   |      |      |       |       |       | (    | 12   | un   | ite  |      |      |       |      |     |
|             |       | -4  | -4 ( | ,,,,,, | .5       |      |              |          | .50  | un   | 115  |     |      |      |      | 30   |      |      |       |       |       |      | 42   | un   | 115  |      |      | -     | 3    |     |
| 4.          | Fir   | d t | he   | dis    | tan      | ce   | be           | etw      | /ee  | n tl | ne   | po  | ints | 5 (  | -2   | 1,   | -17) | ) ar | nd    | (-2   | 1, -2 | 27)  |      |      |      |      | 0    | •     | ke   |     |
|             |       |     |      |        |          |      |              |          |      |      |      |     |      |      | -    |      |      |      |       |       |       |      |      |      |      |      | Y    |       | 5    | 7   |
|             |       | -4  | 14 I | unit   | s        |      |              |          | -10  |      |      |     |      |      |      | 10   | uni  | ts   |       |       |       |      | - 1  | 0 u  | nit  | s    |      |       |      |     |