

Name \_\_\_\_\_

Date \_\_\_\_\_

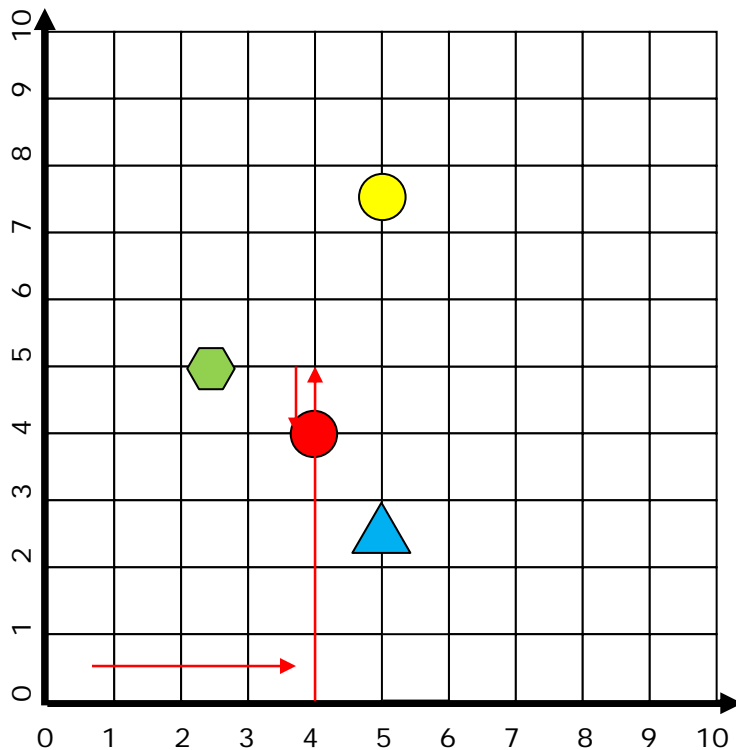
## Graphing Real World Math Problems - Guided Lesson Explanation

### Explanation#1

Step 1) First we look to see what is being asked of us.

"Where did he end?"

Step 2) Use the coordinate graph.



Step 3) He starts at the axis (0, 0).

Step 4) He goes 4 blocks right →

Step 5) 5 blocks up ↑

Step 6) 1 block down ↓

Step 7) So he ends up at point 4, 4 (4 blocks north, 4 blocks east)

Step 8) 4 blocks north + 4 blocks east = 8 blocks from his original position



Name \_\_\_\_\_

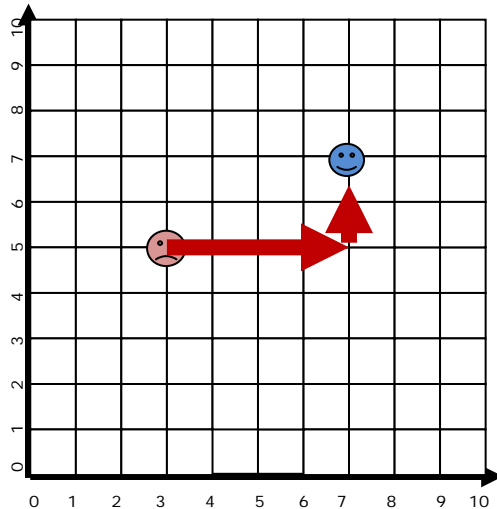
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## Explanation#2

Step 1) First we look to see what is being asked of us.

“How many miles apart are the happy face and sad face?”

Step 2)



The sad face is at (3, 5) and the happy face is at (7, 7).

Step 3) Compare the distance between (3, 5) from (7, 7). We will get the answer

4, 2 We can count boxes on “x” axis and “y” axis.

Or

4 miles east, 2 miles east for a total of  $(4+2)$  6 miles from the original location.



Name \_\_\_\_\_

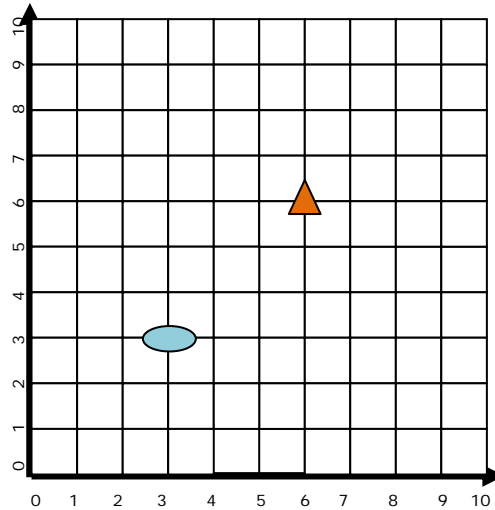
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### Explanation#3

Step 1) First we look to see what is being asked of us.

“How many miles apart are the triangle and oval below?”

Step 2)



Oval is at (3, 3) and the triangle is at (6, 6).

Step 3) Now subtract (3), (3) from (6), (6).

(3, 3) is the difference. We can count boxes on “x” axis and “y” axis.

Or

3 miles east, 3 miles north for a total of (3+3) 6 miles.

