

Name:

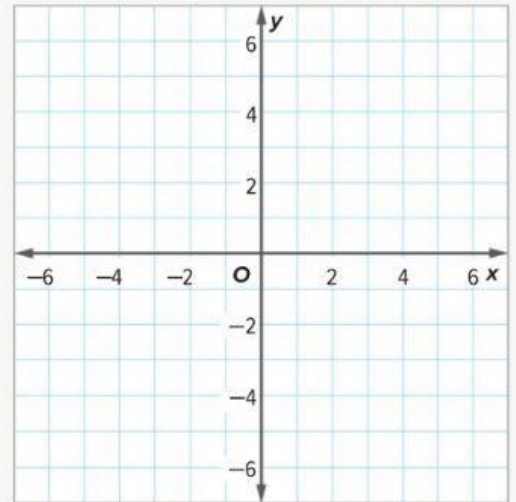
Class:

Power Up! Test Practice

20. Mr. Mansour is using a coordinate plane to design a treasure hunt for his students. The hunt begins at the flagpole. The first clue is hidden 5 units north of the flagpole. The second clue is located 6 units east of the flagpole. Clue 2 says that Clue 3 is located 5 units south of the flagpole.

Plot the locations of the flagpole and the 3 clues on the coordinate grid and show the path students will follow with straight lines.

Each unit represents 15 meters. What is the shortest combined distance along the path from the flagpole to Clue 1 to Clue 2 to Clue 3? Round to the nearest foot if necessary.



21. Two cars leave a house in Al Hadra. The first car travels 8 kilometers north and then 6 kilometers east. The second car travels 12 kilometers south and then 9 kilometers west. Determine if each statement is true or false.

- a. The first car is 10 kilometers from Al Hadra. ☐ True ☐ False
- b. The second car is 15 kilometers from Al Hadra. ☐ True ☐ False
- c. The cars are 35 kilometers apart. ☐ True ☐ False

