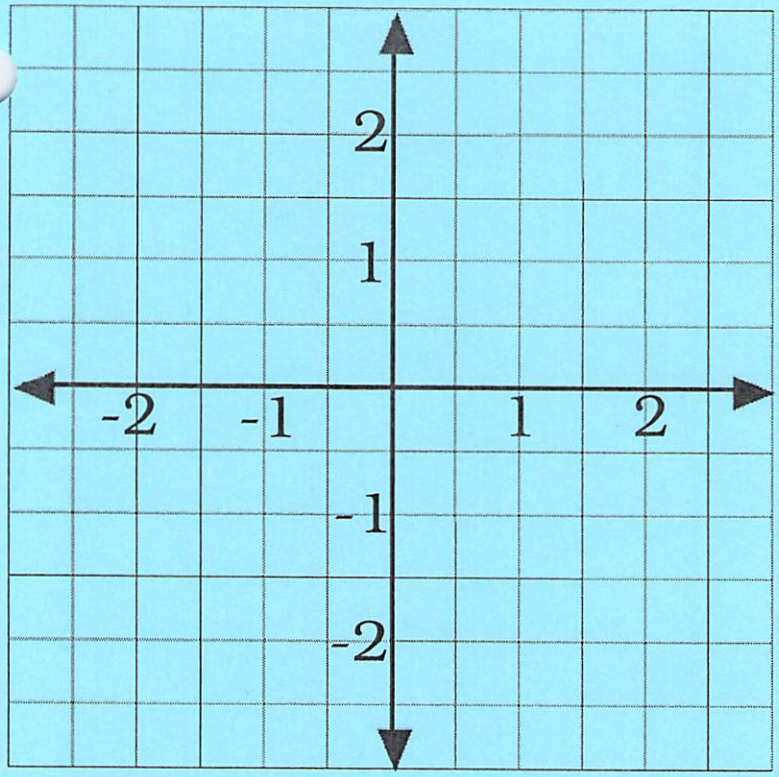
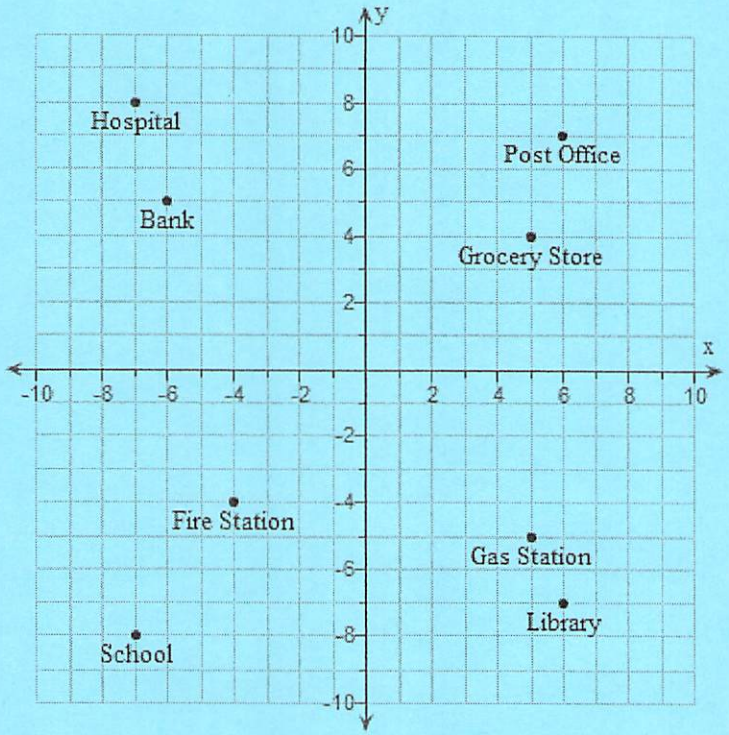
Graphing Points, Refection and Distance Practice Name _____



Plot and connect the points in order listed.

1. (0, 2.5)
2. ($\frac{3}{4}$, 0.75)
3. (2.75, $\frac{3}{4}$)
4. (1, -0.5)
5. ($1\frac{3}{4}$, $-2\frac{1}{2}$)
6. (0, -1.5)
7. ($-1\frac{3}{4}$, -2.5)
8. (-1, $-\frac{1}{2}$)
9. ($-2\frac{3}{4}$, 0.75)
10. (-0.75, $\frac{3}{4}$)

Use the following graph to answer the following questions



1. The Hospital is in which Quadrant?

2. The Fire Station is in which Quadrant?

3. What is the Distance between the Library and the Post Office?

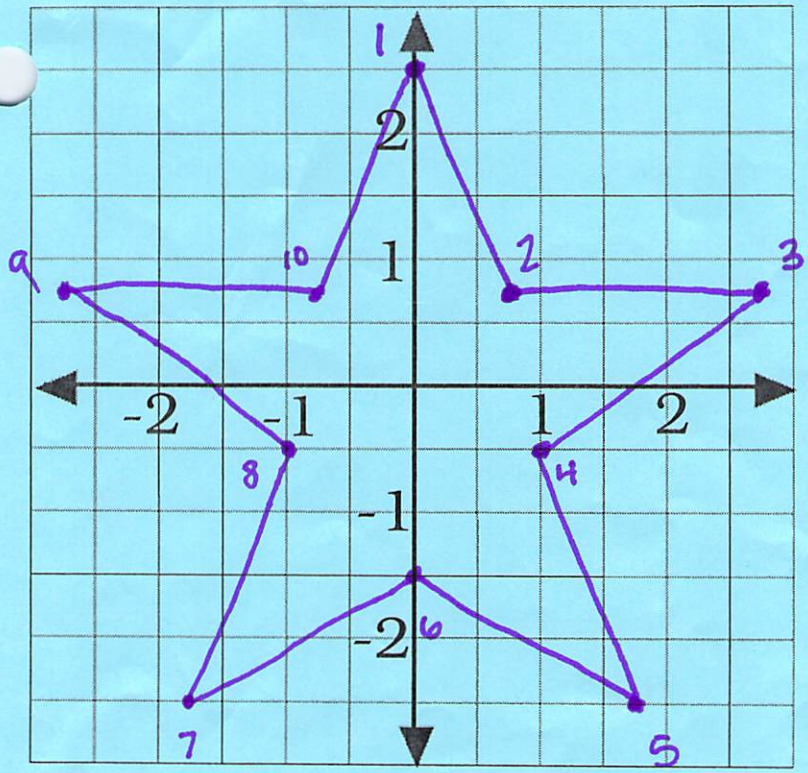
4a. If the Bank is Reflected across the *x-axis*, what point will this be?

b. What is the Distance from the Bank to this point?

5. If the School is reflected across the *y-axis* and then the *x-axis*, what point will that be?

6. If a new Drug Store was built at the point (0, 6), in which Quadrant would it be located?

Graphing Points, Refection and Distance Practice Name Key



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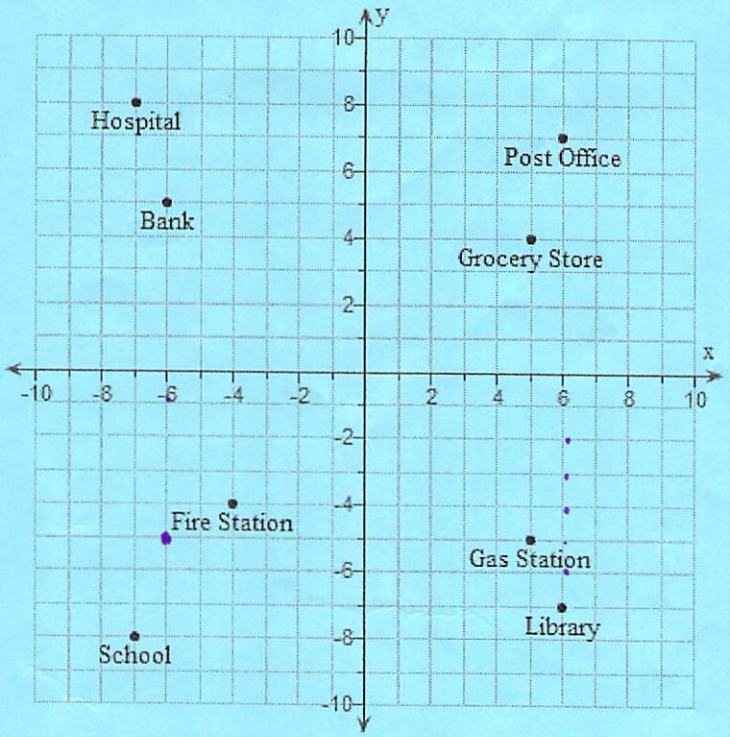

1. The Hospital is in which Quadrant?

II

2. The Fire Station is in which Quadrant?

III

3. What is the Distance between the Library and the Post Office?

14 units

4a. If the Bank is Reflected across the *x-axis*, what point will this be?

(-6, -5)

b. What is the Distance from the Bank to this point?

10 units

5. If the School is reflected across the *y-axis* and then the *x-axis*, what point will that be?

(7, 8)

6. If a new Drug Store was built at the point (0, 6), in which Quadrant would it be located?

No Quadrant (on the axis!)