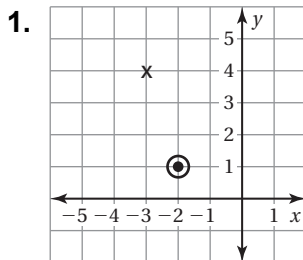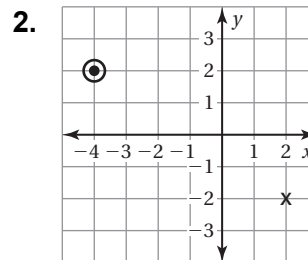Name_____ Date _____

2.4 Enrichment and Extension

Help Save the Lost Animals

You are part of a lost animal search and rescue team. Because of the treacherous terrain, you often have to go way out of the way and do some back-tracking in order to locate animals. Not only that, but the navigation equipment keeps mixing up the signals and getting the directions out of order. Your job is to look at the map and put the steps in order.
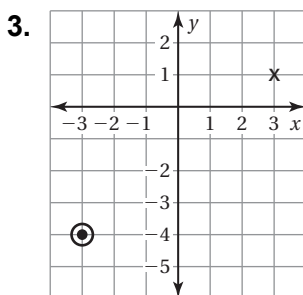
For each situation, the transformations will lead the rescue team to the animal, but they are not in the correct order. Find the correct order. Use each transformation exactly once. In each situation, you start out at the "x," and the animal that you are trying to rescue is located at the bull's eye.
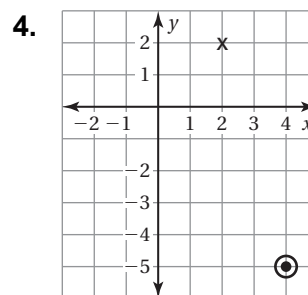
1.

- Translate 2 units left and 2 units up.
- Rotate 90° clockwise about the origin.
- Reflect in the x-axis.
- Rotate 180° about the origin.

2.

- Translate 1 unit right.
- Rotate 90° counterclockwise about the origin.
- Rotate 180° about the origin.
- Translate 3 units down.
- Reflect in the y-axis.

3.

- Reflect in the x-axis.
- Translate 3 units down.
- Reflect in the y-axis.
- Rotate 90° clockwise about the origin.
- Rotate 90° counterclockwise about the origin.

4.

- Rotate 90° counterclockwise about the origin.
- Rotate 180° about the origin.
- Translate 3 units left.
- Translate 2 units up.
- Reflect in the x-axis.
- Reflect in the y-axis.