1. If the rotation point of a circle is its center, how will all rotations affect the circle?

2. What transformation could make an arrow pointing east become an arrow pointing north?

3. What transformation could make the number 9 become the number 6?

4. What transformation could make the letter P look like the letter b?

5. On the coordinate plane at right, graph Triangle A with vertices (3, 1), (6, 1), and (3, 5). Then graph Triangle B with vertices (3, 6), (6, 6), and (3, 10). What transformation best describes the change from Triangle A to Triangle B?

Circle the letter of the correct answer.

6. Which transformation best describes the figure on the right?

7. Which transformation best describes the figure on the left?

A 90° clockwise rotation  F horizontal reflection
B horizontal reflection    G 180° counterclockwise rotation
C 90° counterclockwise rotation  H 90° counterclockwise rotation
D horizontal translation   J horizontal translation