

Name: _____

Extension: Reflections & Rotations with Letters!

1) Write out all of the capital letters in the alphabet:

2) Which of these letters would look the same if you rotated them 180° ?

3) Which of these letters would look the same if you rotated them only 90° ?

4) Which of these letters would look the same if you reflected them using a vertical line of reflection?

5) Which of these letters would look the same if you reflected them using a horizontal line of reflection?

6) Which letters, upper case or lower case, turn into a different letter when you rotate them 180° ?

7) Try to come up as many entire words as you can that look exactly the same when you reflect them using a horizontal line of reflection. (As an example, "MATH" does not work because most of the letters are flipped: MATH)
HTAM

8) Try to come up as many entire words as you can that look exactly the same when you reflect them using a vertical line of reflection. You may use upper case or lower case letters. "HOT" would not work because it would become "TOH". And even though "RACECAR" is a palindrome, it would not work because most of the letters would become reversed:

RACECAR | RACECAR

9) Try to come up as many entire words as you can that look exactly the same when you rotate them 180° .