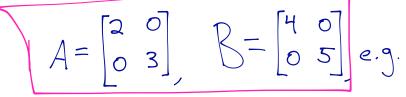


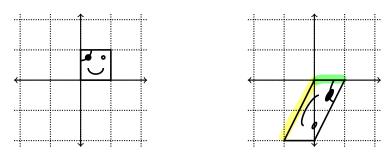
Name: Saul Ushin

Student ID #:

2. [2 points] Give an example of two  $2 \times 2$  matrices A and B such that AB = BA.



3. **[4 points]** Oh no, a witch cast another linear transformation spell on Victor! On the left is Victor's original form, and on the right is Victor after the witch applies the linear transformation *T*.



Below, draw what Victor looks like after the witch applies *T* again.

