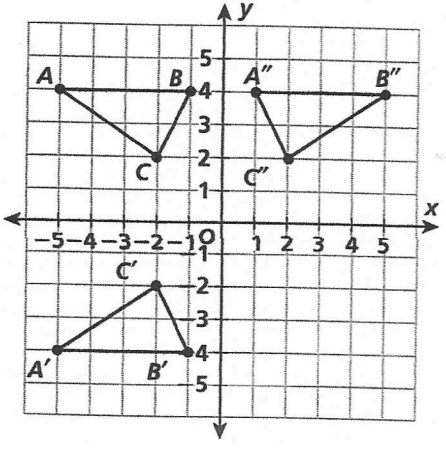


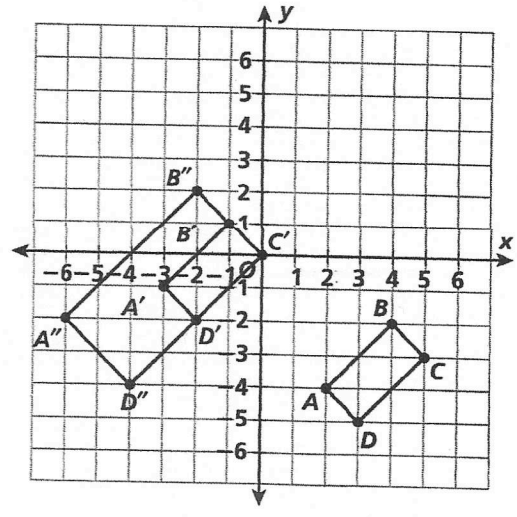
Additional Practice

Identify the combined transformations from the original to the final image, and tell whether the two figures are similar or congruent.

1.

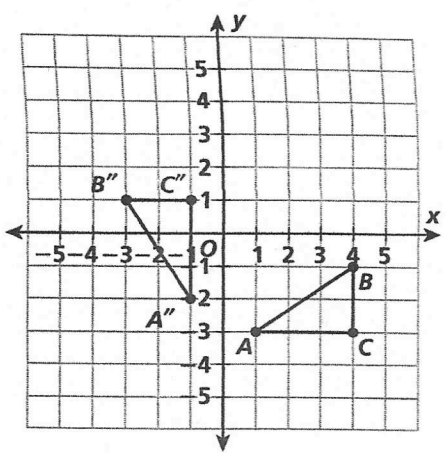


2.

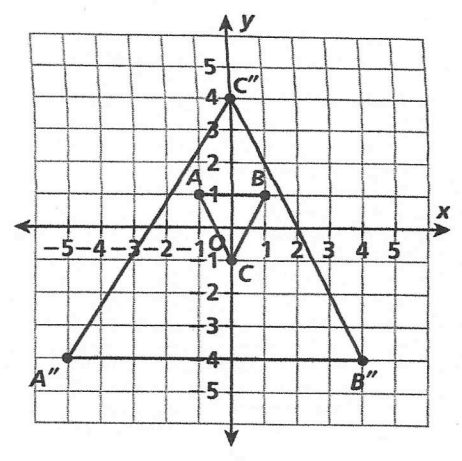


Find a sequence of at least two combined transformations for transforming the original to the final image. Justify your answer.

3.



4.

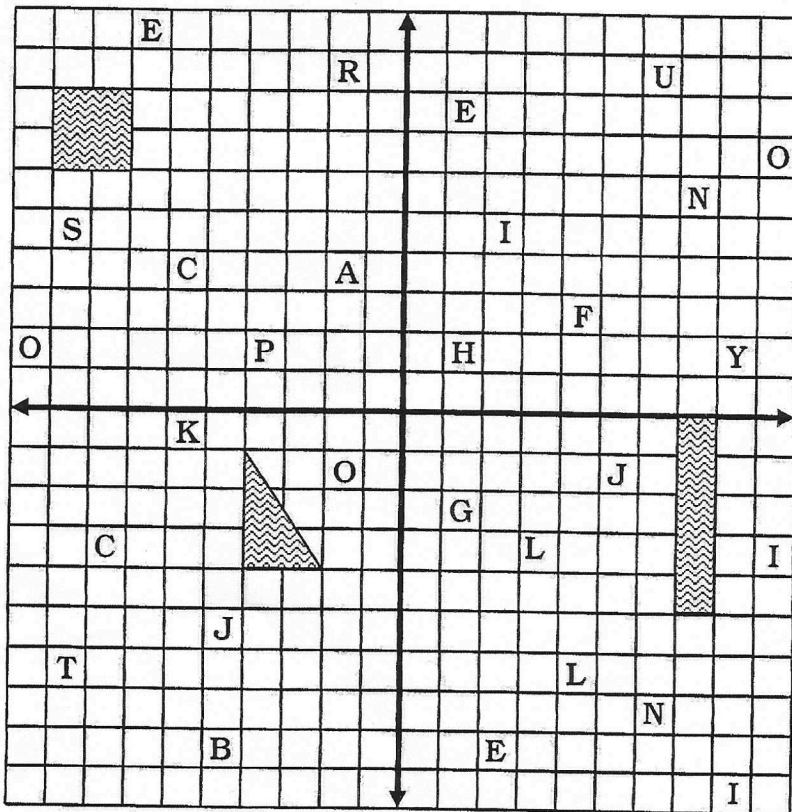
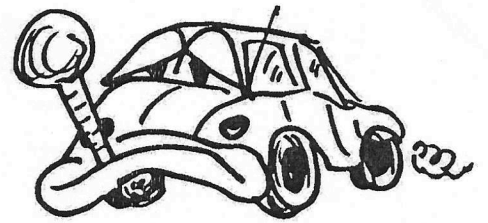


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SKILLS #11

What Kind of Shot Do You Give a Sick Car?

Use rotations, reflections, and translations to draw a new shape that is congruent to the original. The new shape will surround a letter to use at the bottom.



- ① Reflect the square over the x -axis.
- ② Reflect the triangle over the y -axis.
- ③ Translate the rectangle 1 left, and 4 down.
- ④ Translate the triangle 6 right, and 8 up.
- ⑤ Rotate the square 90° clockwise.
- ⑥ Rotate the rectangle 90° counter-clockwise.
- ⑦ Reflect the triangle over the x -axis, and then translate it 2 right.

- ⑧ Reflect the rectangle over the y -axis, and then translate it 2 left, and 3 up.
- ⑨ Rotate the square 180° , and then translate it 1 right, and 2 down.
- ⑩ Reflect the triangle over both axes, and then translate it 4 right, and 2 up.
- ⑪ Rotate the triangle 90° counter-clockwise, and then translate it 1 left, and 5 down.
- ⑫ Translate the rectangle 13 left, and 7 up.
- ⑬ Reflect the square over the y -axis, and then translate it 3 left, and 5 down.
- ⑭ Rotate the rectangle 90° clockwise, and then translate it 1 left, and 2 up.

| | | | | | | | | | | | | | |
|---|----|---|----|---|---|----|----|---|----|---|---|---|---|
| 7 | 13 | 5 | 11 | 2 | 4 | 10 | 14 | 6 | 12 | 1 | 9 | 8 | 3 |
| | | | | | | | | | | | | | |