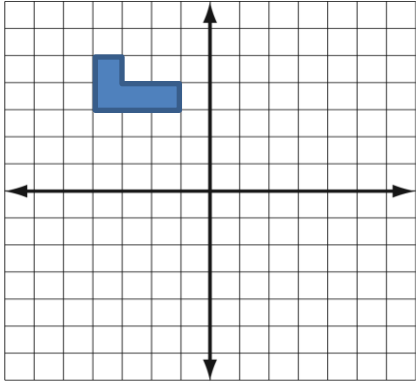


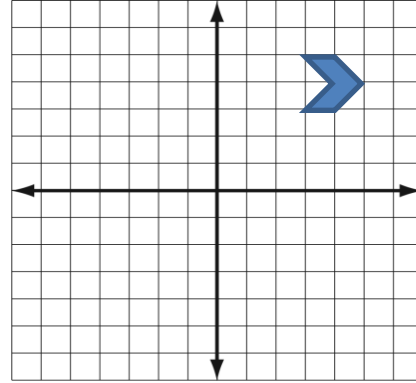
# Weekly Review 9

Perform each Rotation

1. Rotate  $90^\circ$  Clockwise



2. Rotate  $180^\circ$



**Name the new coordinates after the following transformations.**

3. Translate 3 units right and down 2 units

A (4,9) A' (\_\_\_\_,\_\_\_\_)

B (-1,5) B' (\_\_\_\_,\_\_\_\_)

4. Translate 5 units up and 1 unit left

E (-12,-6) E' (\_\_\_\_,\_\_\_\_)

F (-9,-5) F' (\_\_\_\_,\_\_\_\_)

5. Reflect over the x-axis

J (13,8) J' (\_\_\_\_,\_\_\_\_)

K (19,-2) K' (\_\_\_\_,\_\_\_\_)

6. Reflect over the y-axis

S (-20,16) S' (\_\_\_\_,\_\_\_\_)

T (13,-12) T' (\_\_\_\_,\_\_\_\_)

7. Rotate  $90^\circ$  Clockwise

V (4,5) V' (\_\_\_\_,\_\_\_\_)

W (8,10) W' (\_\_\_\_,\_\_\_\_)

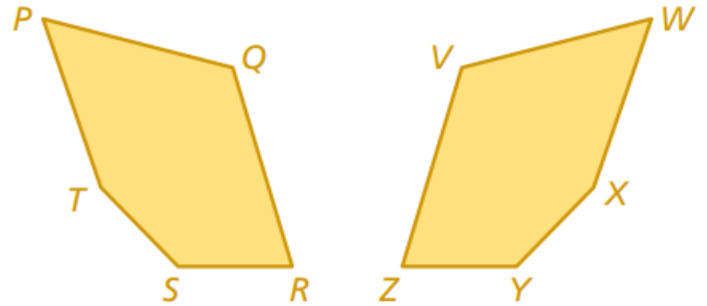
8. Rotate  $180^\circ$

X (-8,4) X' (\_\_\_\_,\_\_\_\_)

Y (-3,-5) Y' (\_\_\_\_,\_\_\_\_)

9. You rotate a triangle  $270^\circ$  counterclockwise about the origin. Then you translate its image 2 units right and 1 unit down. The vertices of the final image are  $(0,2)$ ,  $(8,-1)$ , and  $(5,-2)$ . What are the vertices of the original triangle?

Use the figures to the right to answer questions 10 and 11.



10. Name the angles that correspond to the following angles.

$\angle T =$

$\angle R =$

$\angle Q =$

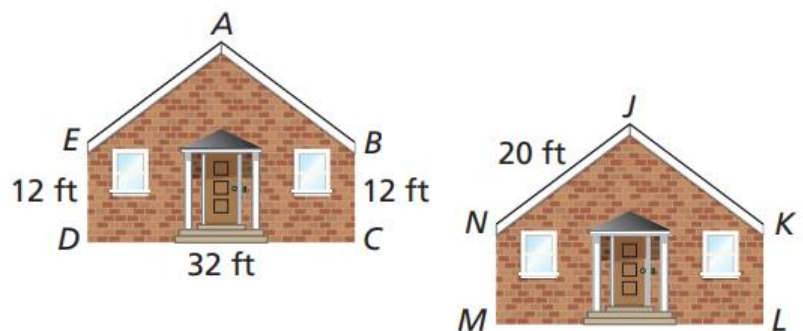
11. Name the sides that correspond to the following sides.

$\overline{VW} =$

$\overline{XY} =$

$\overline{ZV} =$

The two houses to the right are identical



12. What is the length of side LM?

13. What angle of JKLMN corresponds to  $\angle D$ ?

14. Side AB is congruent to side AE. What is the perimeter of ABCDE?