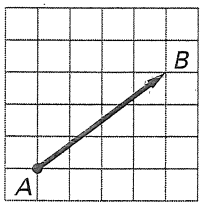
NAME _____ DATE _____

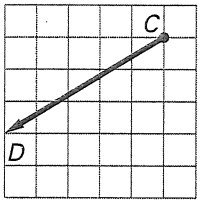
Chapter Test C

For use after Chapter 7

12. Sketch a polygon that has rotational symmetry but not line symmetry.

Name the vector and write its component form.

13. 

14. 

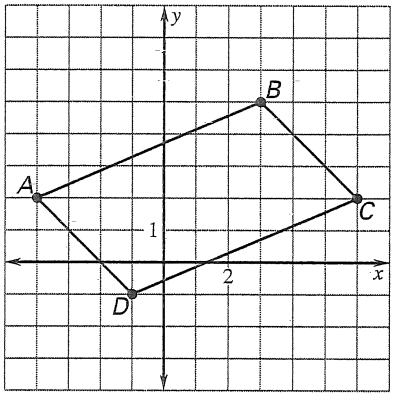
Use the figure to match the translation of $\square ABCD$ to $\square A'B'C'D'$ by using the given vector.

A. $A'(-4, 3), B'(3, 6), C'(6, 3), D'(-1, 0)$

B. $A'(-1, 1), B'(6, 4), C'(9, 1), D'(2, -2)$

C. $A'(-5, -1), B'(2, 2), C'(5, -1), D'(-2, -4)$

D. $A'(-3, -1), B'(4, 2), C'(7, -1), D'(0, -4)$



15. $\vec{u} = \langle 1, -3 \rangle$

16. $\vec{u} = \langle 0, 1 \rangle$

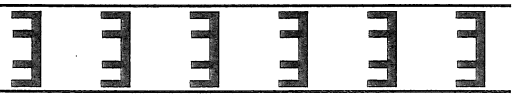
17. $\vec{u} = \langle -1, -3 \rangle$

18. $\vec{u} = \langle 3, -1 \rangle$

Name all of the isometries that map the frieze patterns onto itself.

19. _____

20. _____



12. See left.
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. See left.
20. See left.