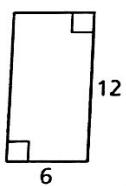
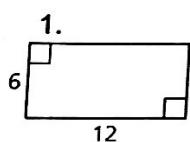


KEY

MID CH 2 PRACTICE QUIZ

Tell whether the two figures are congruent. Explain your reasoning.

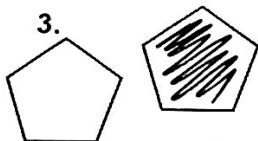


Answers

1. Yes
Corresponding sides & angles are \cong

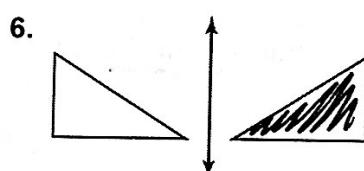
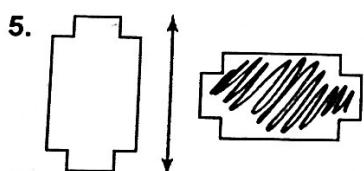
2. No
Corresponding sides not \cong

Tell whether the shaded figure is a translation of the non-shaded figure.



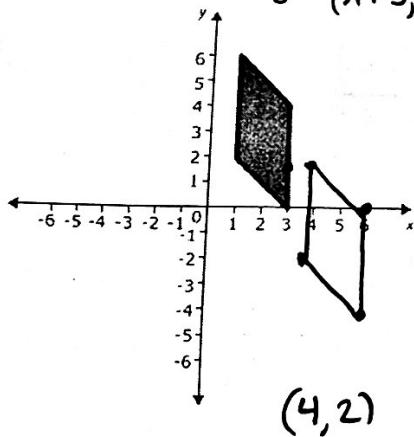
3. Yes
4. No

Tell whether the shaded figure is a reflection of the non-shaded figure.

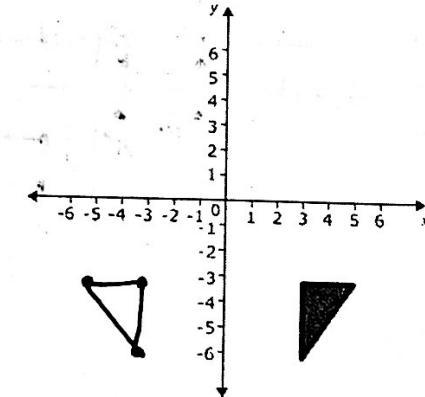


5. No
6. Yes

7. Translate the figure 3 units right and 4 units down. List the coordinates of the image. $(x+3, y-4)$



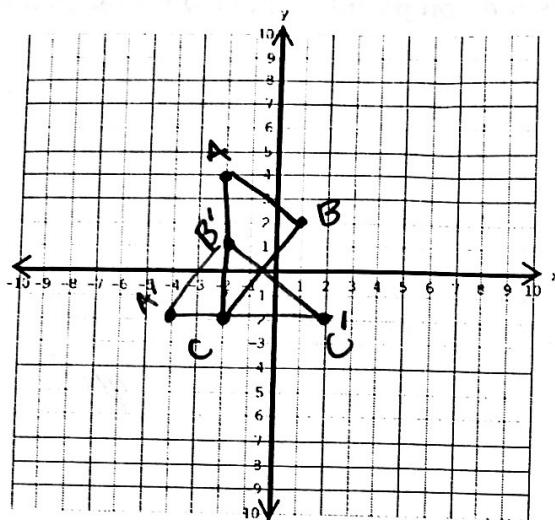
8. Reflect the figure in the y-axis. List the coordinates of the image.



7. $(4, 2)$
 $(4, -2)$
 $(6, 0)$
 $(6, -4)$
8. $(-5, -3)$
 $(-3, -3)$
 $(-3, -6)$

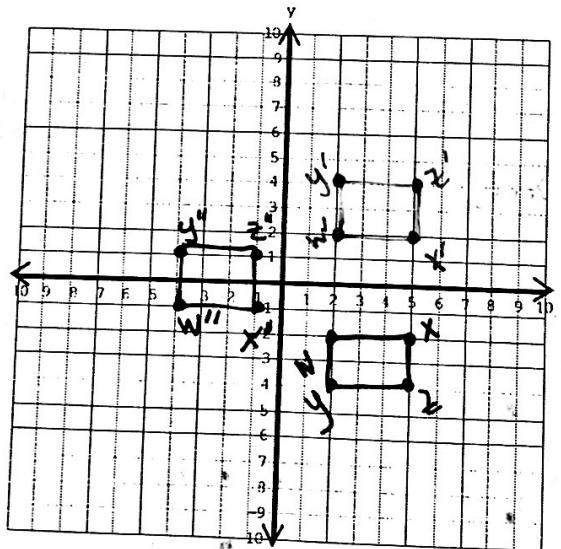
9. The vertices of a triangle are $A(-2, 4)$, $B(1, 2)$, and $C(-2, -2)$. Rotate the figure 90° counterclockwise about the origin. What are the coordinates of the image?

$(-y, x)$



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

10. The vertices of a rectangle are $W(2, -2)$, $X(5, -2)$, $Y(2, -4)$, and $Z(5, -4)$. Reflect the figure in the x -axis, and then translate the image 6 units left and 3 units down. What are the coordinates of the image?



10.
 $W''(-4, 1)$
 $X''(-1, 1)$
 $Y''(-4, -1)$
 $Z''(-1, -1)$