

## Warm Up - Review

**Solve.**  
**1.** 
$$x - 7 = -13$$
 **2.**  $15 - 3c = 3$ 

# Warm Up - Review

- 4. a. Write the formula for the area of a triangle.
  - **b.** Solve the formula for *h*.
  - **c.** The area of a triangle is 36 square inches. Use the new formula to find the height of the triangle in inches















A(5,2) B(-3,-4) C(-1,5) D(3,-5) E(4,6) F(0,0) G(4,0) H(0,-3)

# Vocabulary Translation

## Sliding a figure from one place to another



## **Translations on a Coordinate**





Rule: (x,y)→(x+6, y-5)



Tell whether the shaded figure is a translation of the nonshaded figure.





Tell whether the shaded figure is a translation of the nonshaded figure.





**4.** Translate the figure 4 units left and 1 unit down. What are the coordinates of the image?





**5.** Translate the triangle 5 units right and 4 units up. What are the coordinates of the image?





The vertices of a triangle are A(-2, 0), B(0, 3), and C(2, 2). Draw the figure and its image after the translation.

6. 4 units down





### The vertices of a triangle are A(-2, 0), B(0, 3), and C(2, 2). Draw the figure

#### and its image after the translation.

7. 2 units right and 1 unit up

