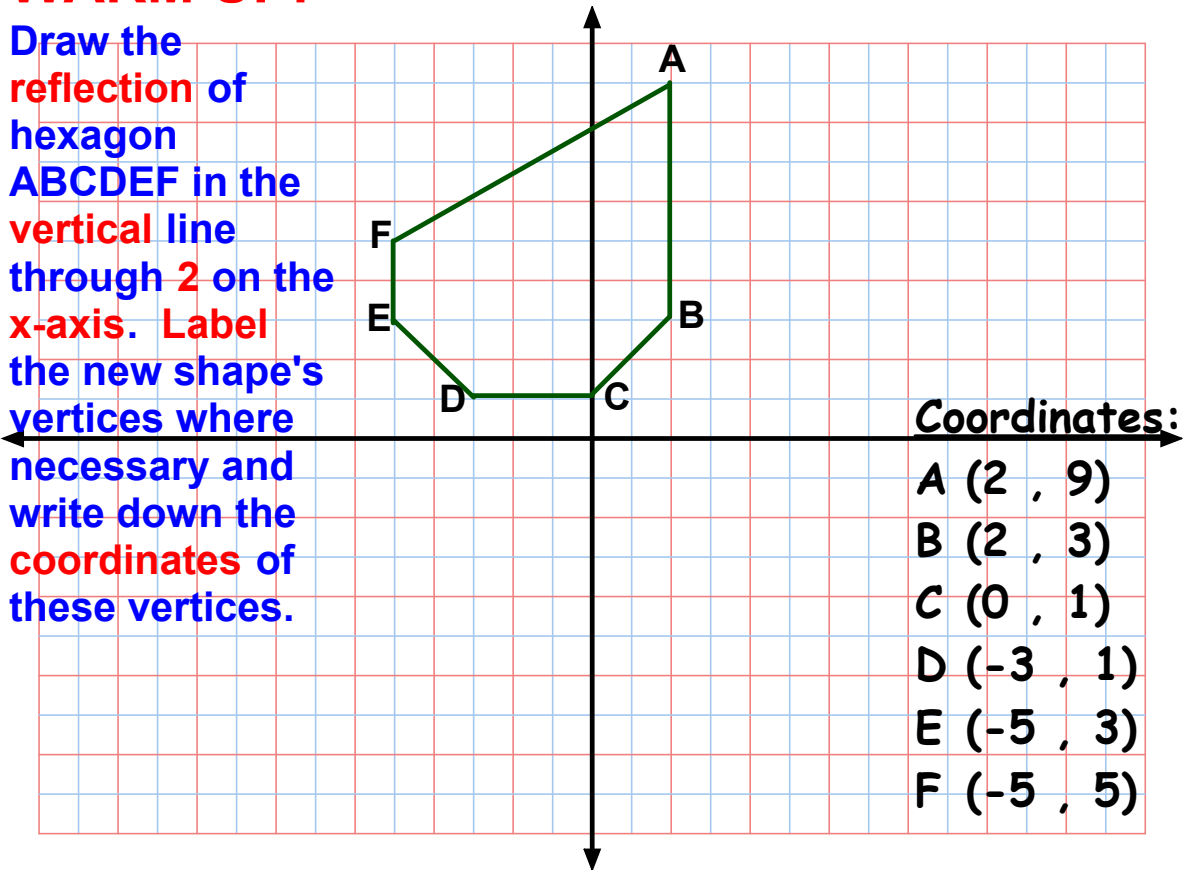


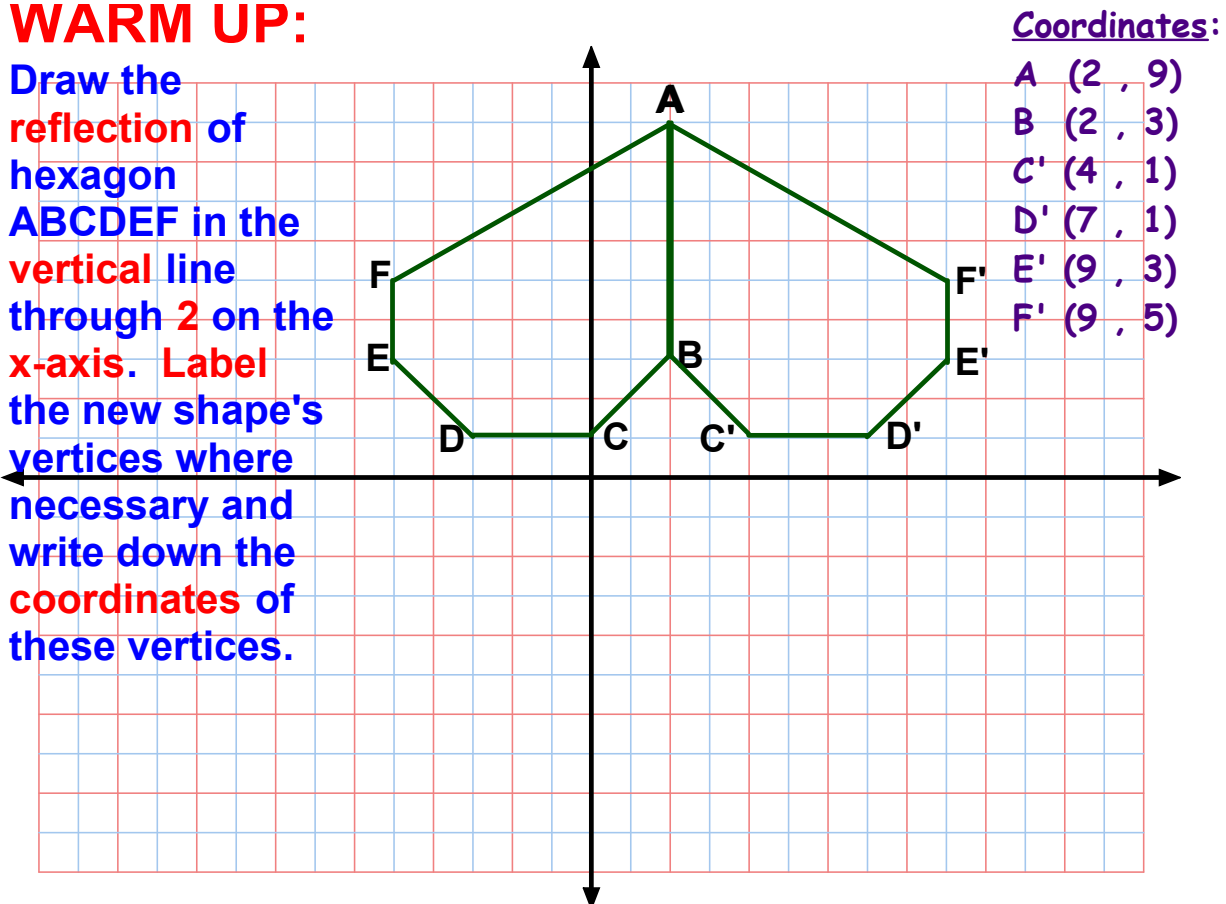
**WARM UP:**

Draw the reflection of hexagon ABCDEF in the vertical line through 2 on the x-axis. Label the new shape's vertices where necessary and write down the coordinates of these vertices.



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Draw the reflection of hexagon ABCDEF in the vertical line through 2 on the x-axis. Label the new shape's vertices where necessary and write down the coordinates of these vertices.



### Line of Reflection

a) Draw the image after the reflection  
 b) Describe the line of symmetry

c. 

Point	Image
A	A'
B	B'
C	C'

 Line of symmetry:  $x = 5$   
 vertical

d. 

Point	Image

e. 

Point	Image

### Completing a Shape Given its Line of Symmetry

- Draw the image after each reflection
- Write the coordinates of ABCD and its image
- Describe the larger shape and its symmetry
  - reflection in horizontal line through 2 on the y-axis
  - reflection in the vertical line through 6 on the x-axis
  - a reflection in an oblique line through (0, 6) and (6, 0)

a) 

Point	Image
A	A'
B	B'
C	C'
D	D'

b) 

Point	Image
A	
B	
C	
D	

c) 

Point	Image
A	
B	
C	
D	