

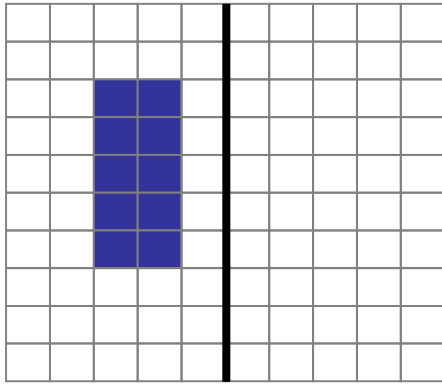
Reflection of shapes

WALT : To reflect a shape across a mirror line

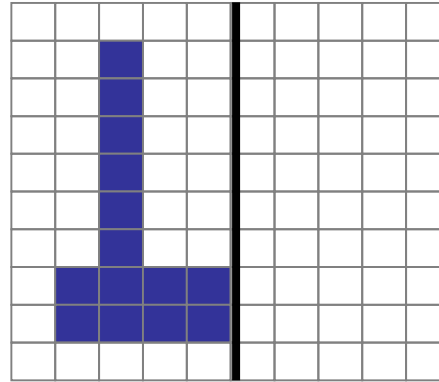
Gold WILF: I can plot a given mirror line and reflect shapes across this eg $x=5$

Mastery / Challenge: to identify a given mirror line from the reflection

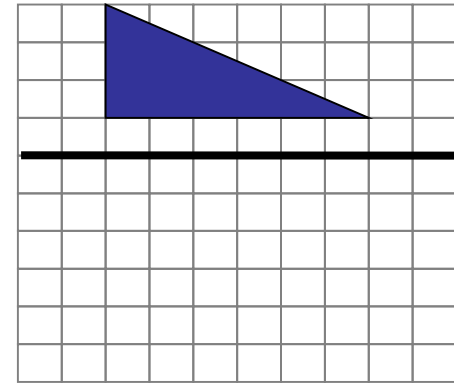
1)



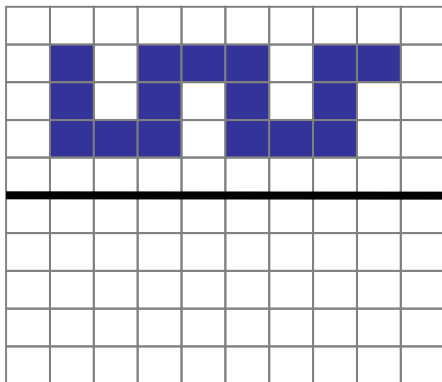
2)



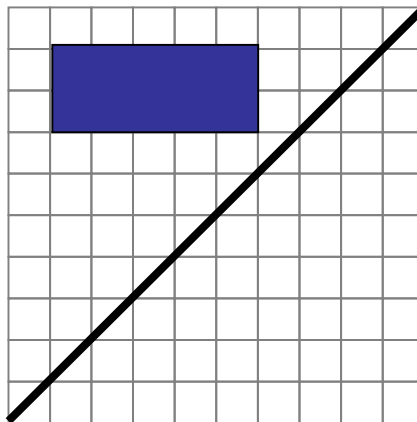
3)



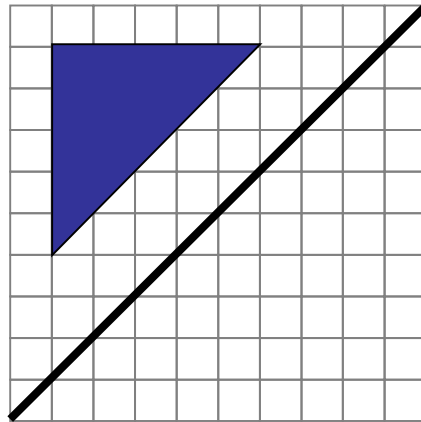
4)



5)

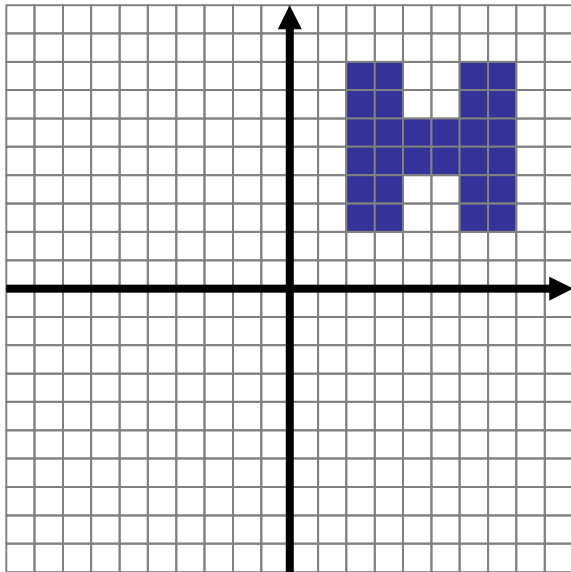


6)

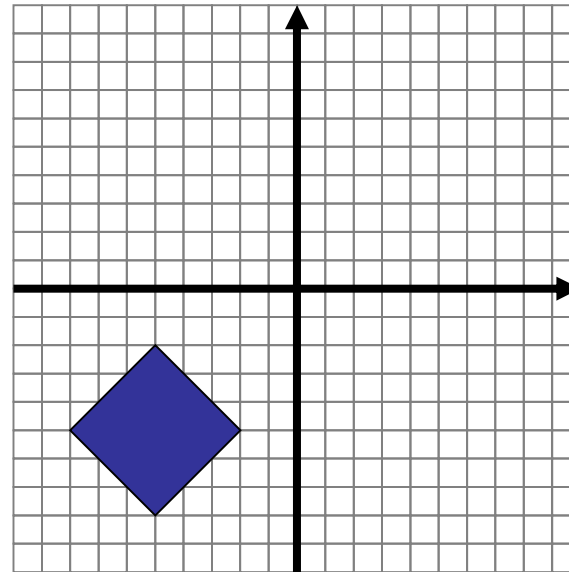


Reflect the shapes in the line $x = 0$

1)

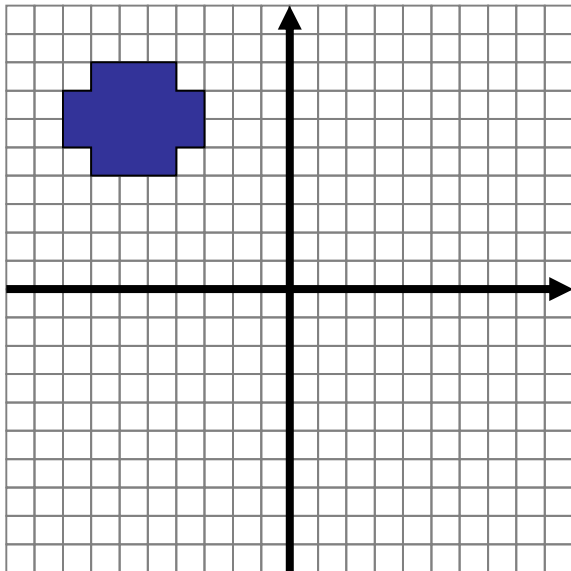


2)

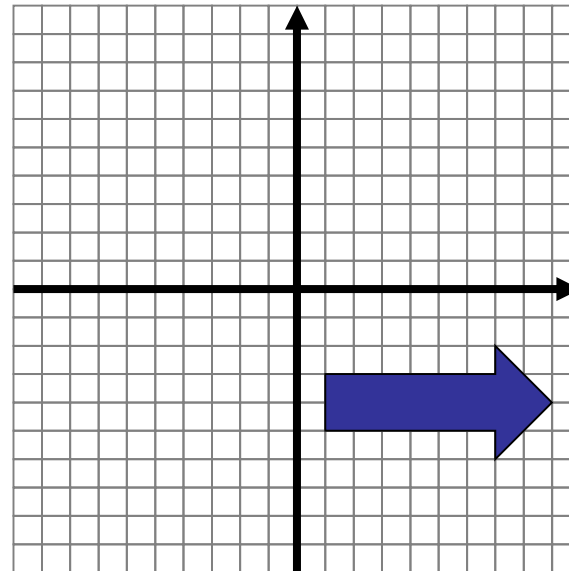


Reflect the shapes in the line $y = 0$

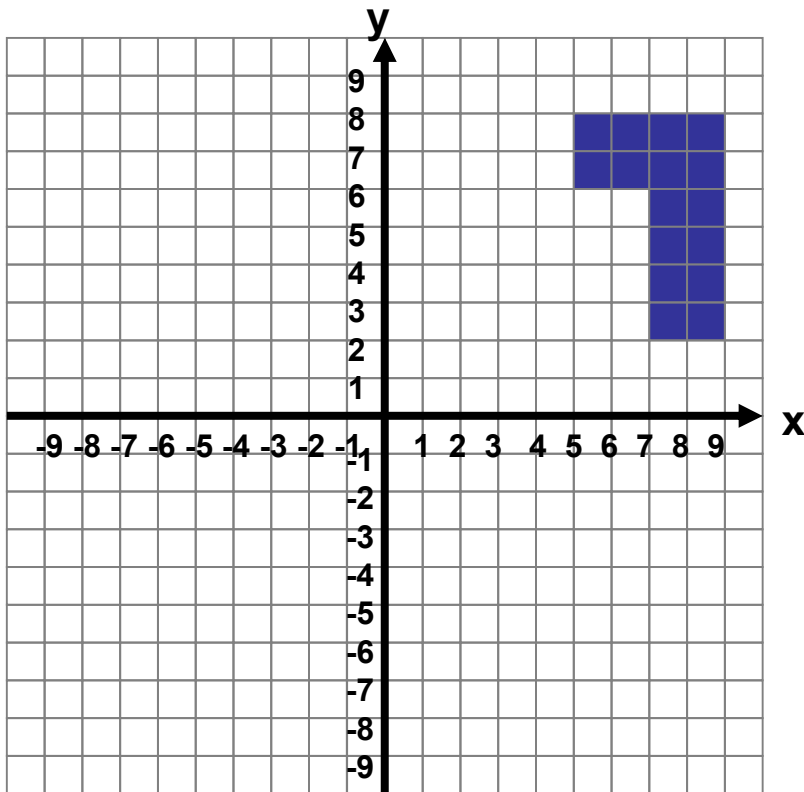
3)



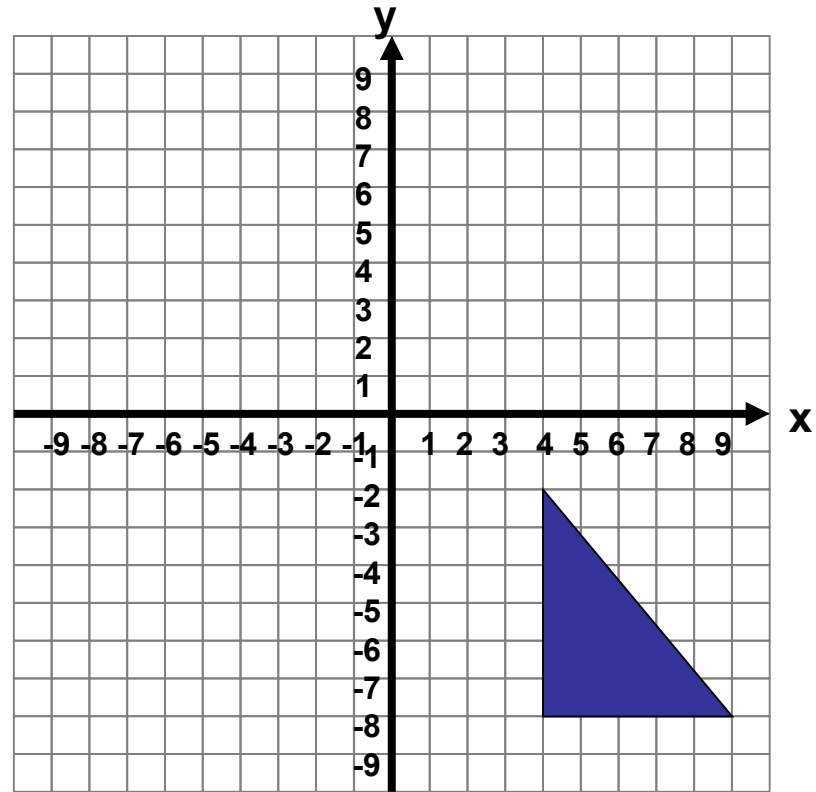
4)



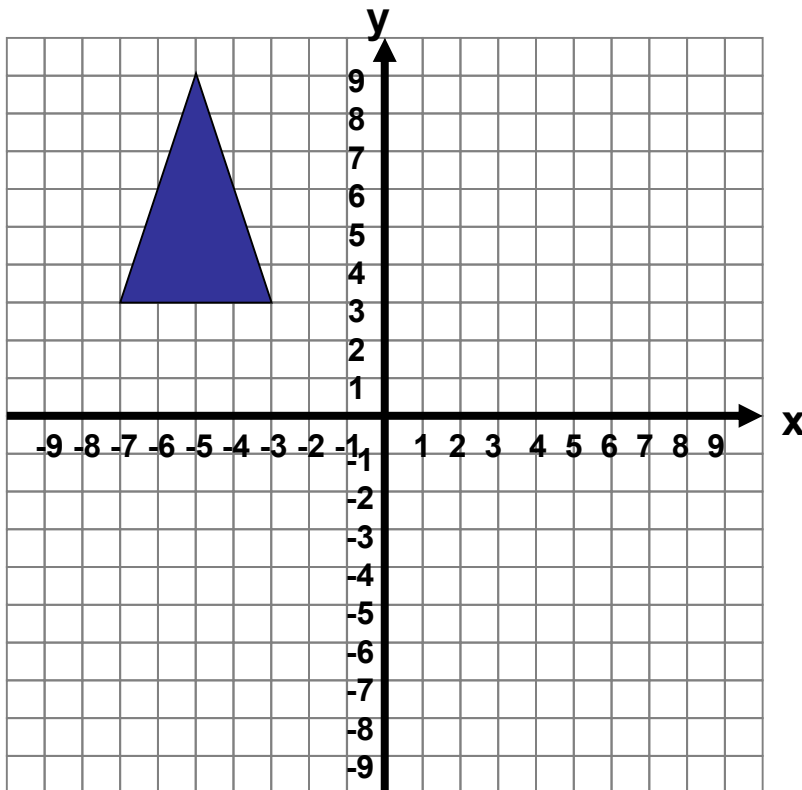
1) Draw the line $x = 1$. Reflect the shape in the line you have drawn.



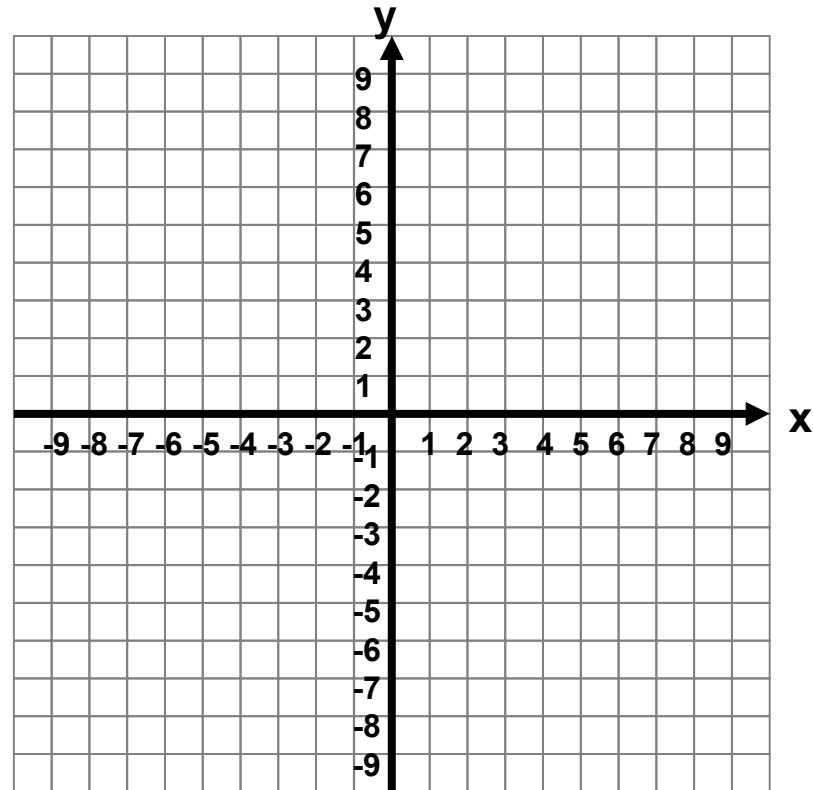
2) Draw the line $x = 3$. Reflect the shape in the line you have drawn.



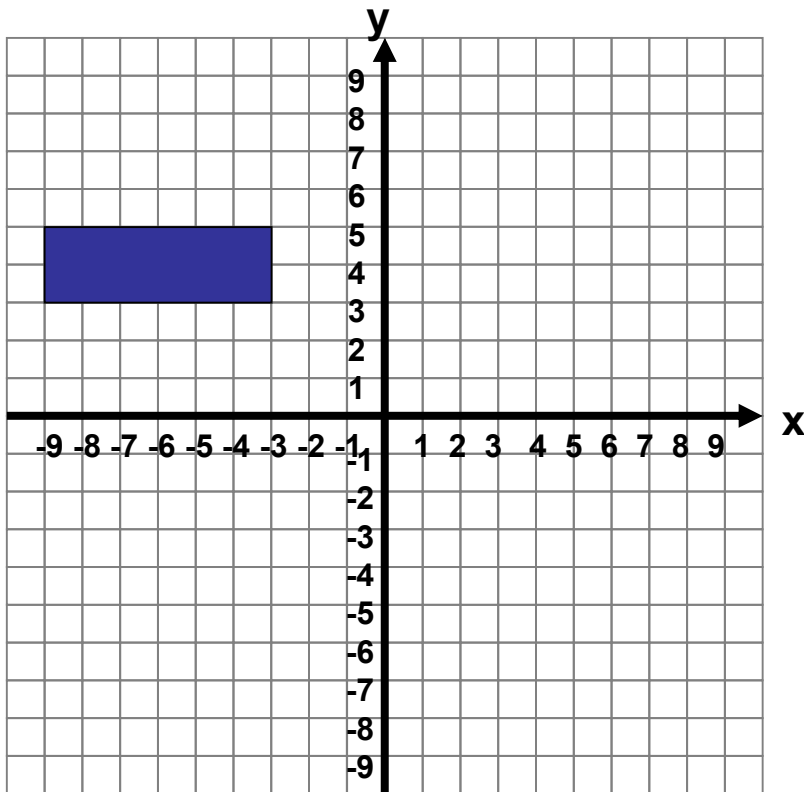
3) Draw the line $y = 2$. Reflect the shape in the line you have drawn.



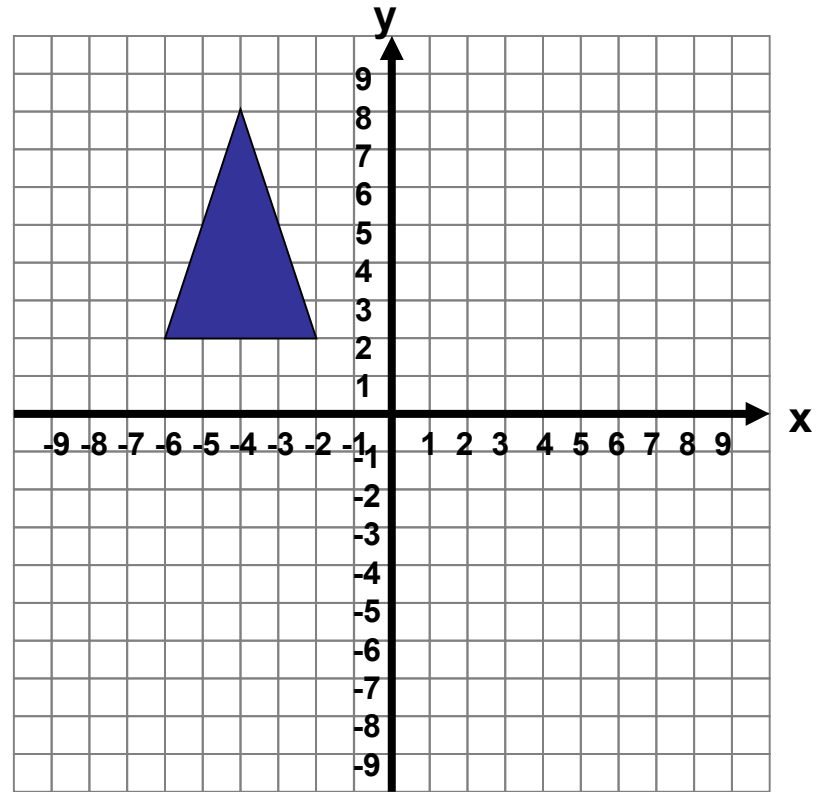
4) a) Plot the points (6, 5), (8, 3), (6, 1) and (4, 3). Join the points to make a shape. Label this shape A.
b) Draw the line $y = -2$. Reflect the shape A in the line you have drawn.



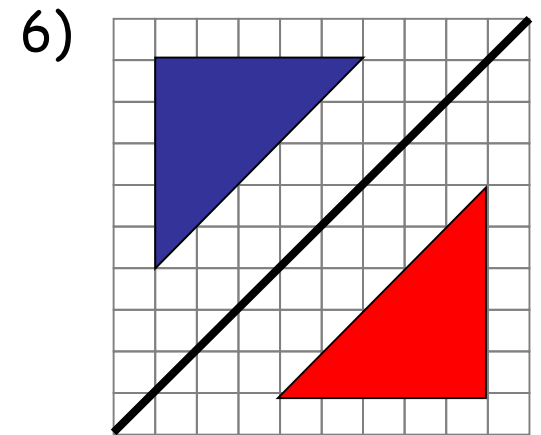
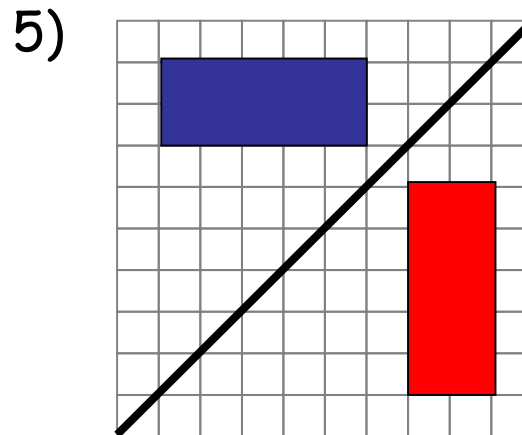
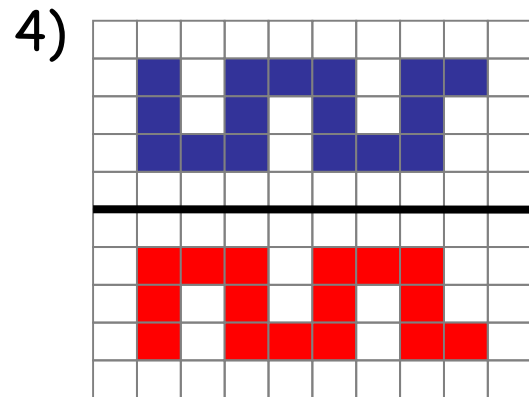
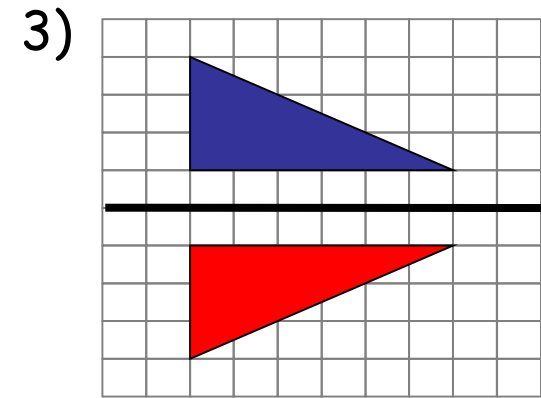
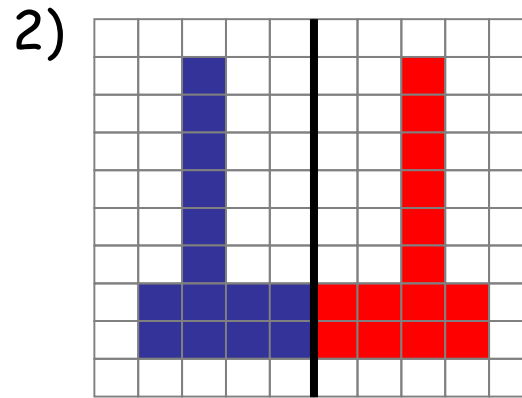
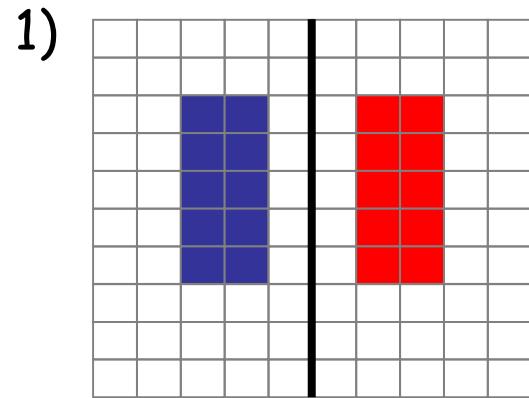
5) Draw the line $x = y$. Reflect the shape in the line you have drawn.



6) Draw the line $x = y$. Reflect the shape in the line you have drawn.

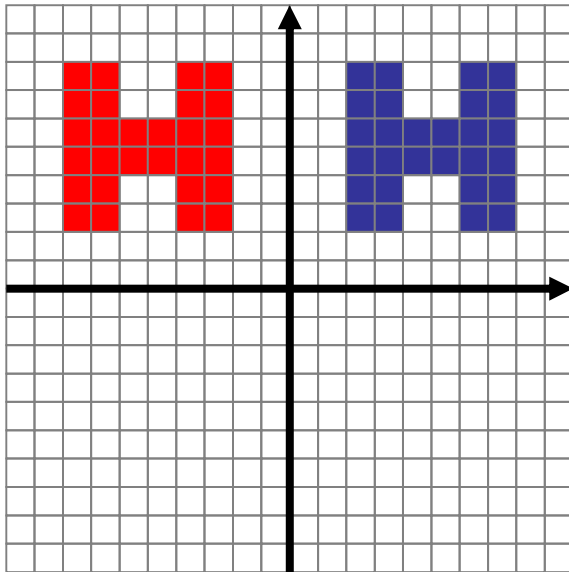


Reflect the shapes in the mirror lines

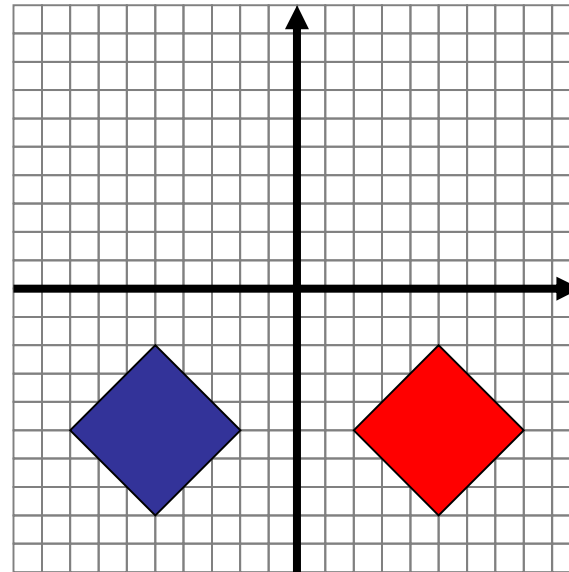


Reflect the shapes in the line $x = 0$

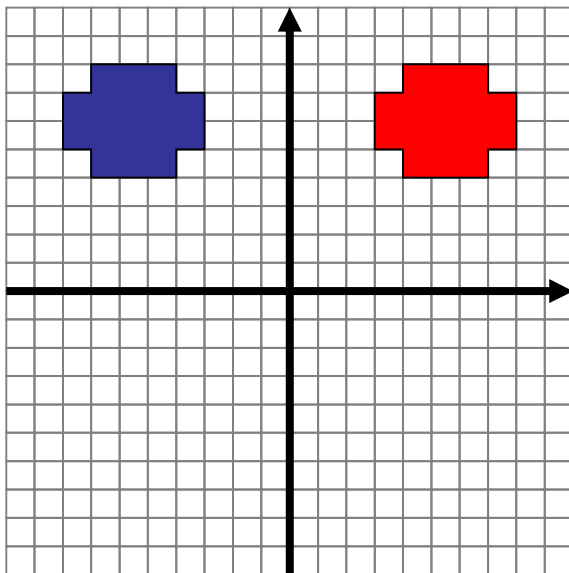
1)



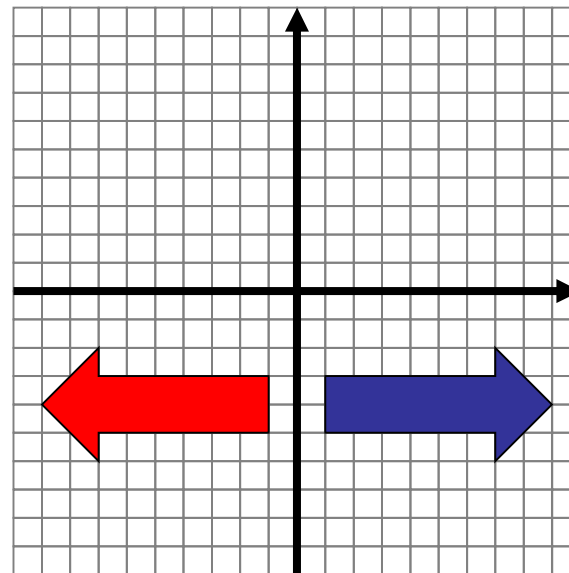
2)



3)

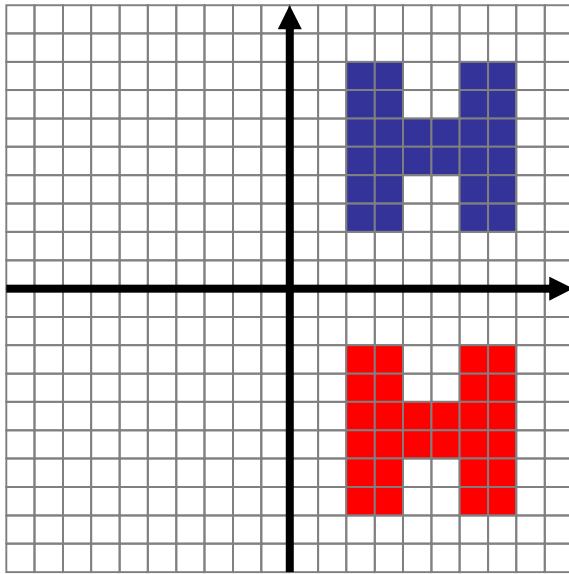


4)

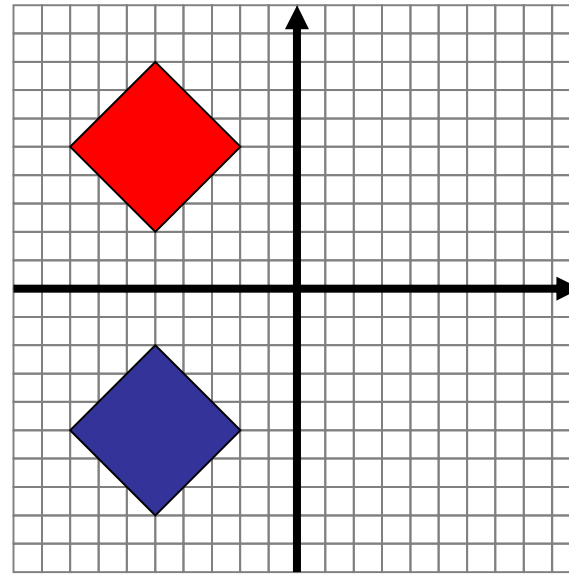


Reflect the shapes in the line $y = 0$

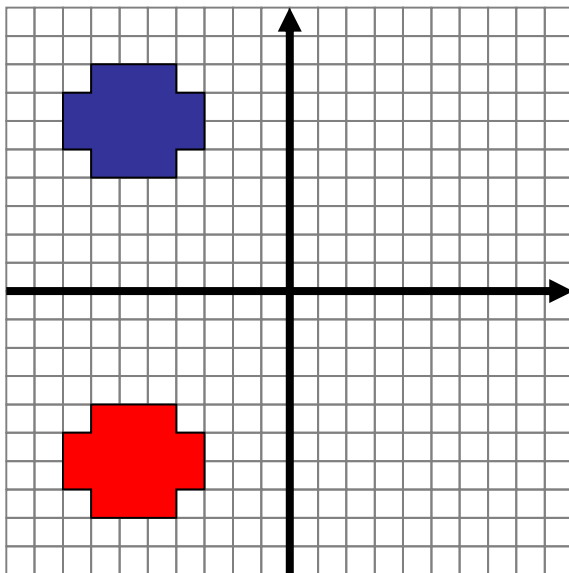
5)



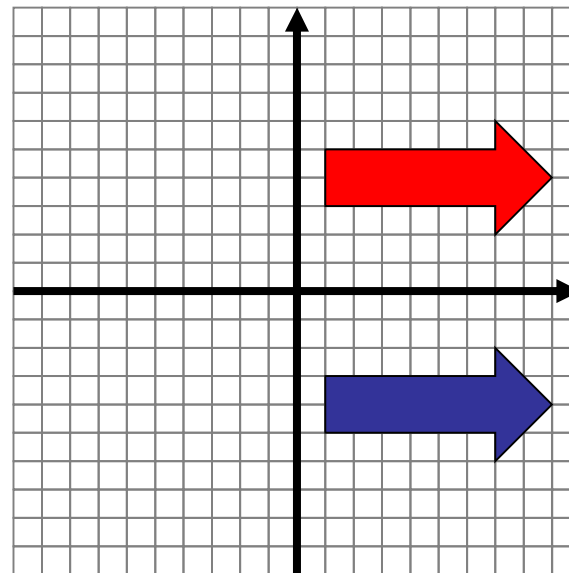
6)



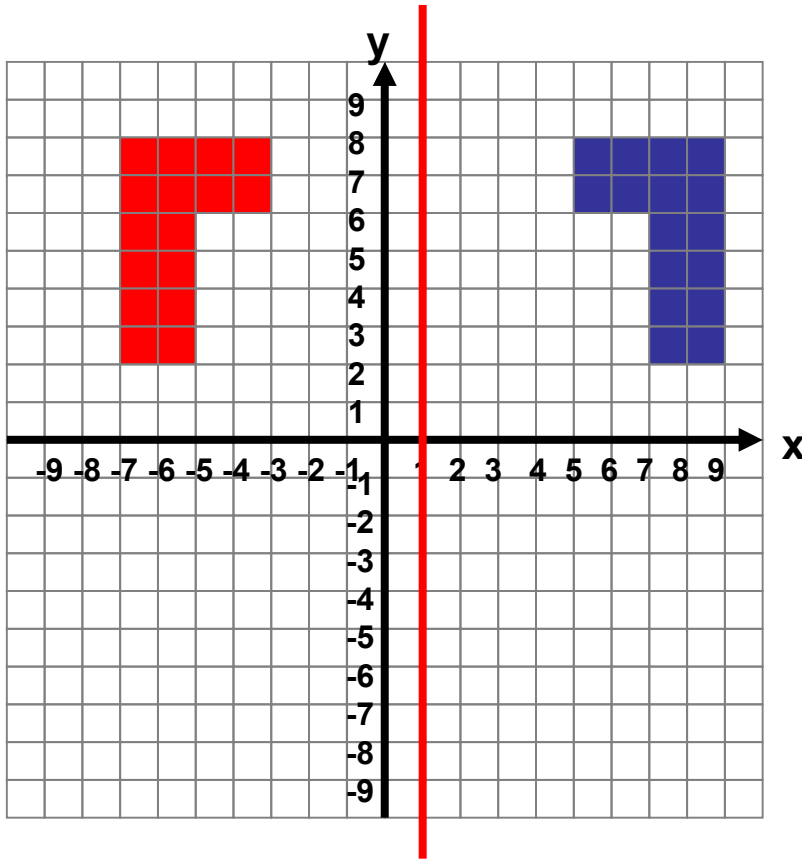
7)



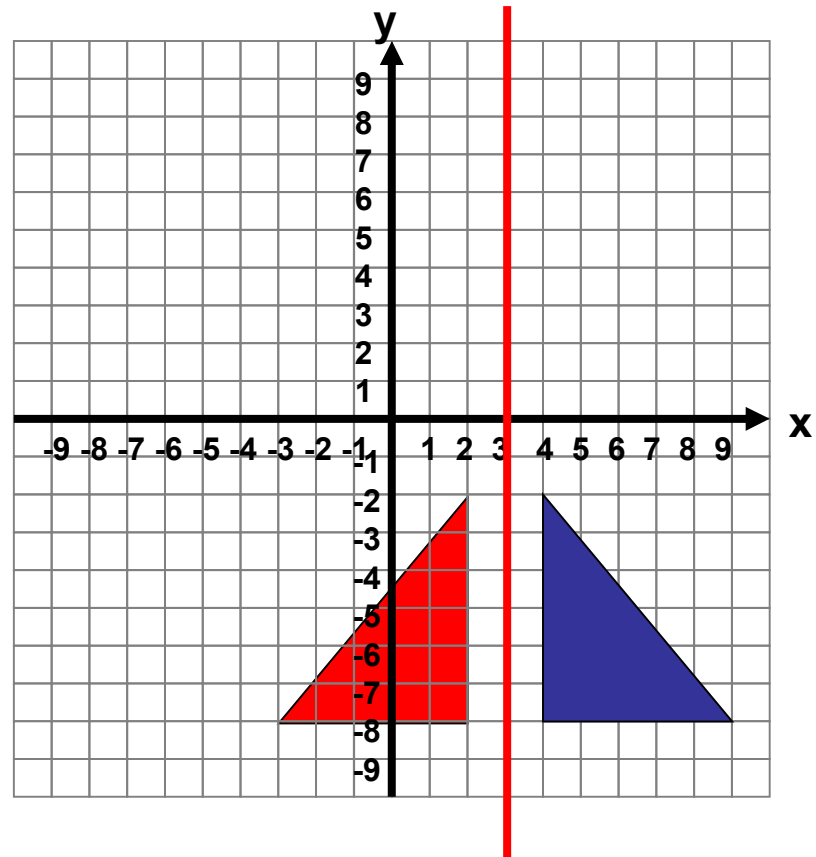
8)



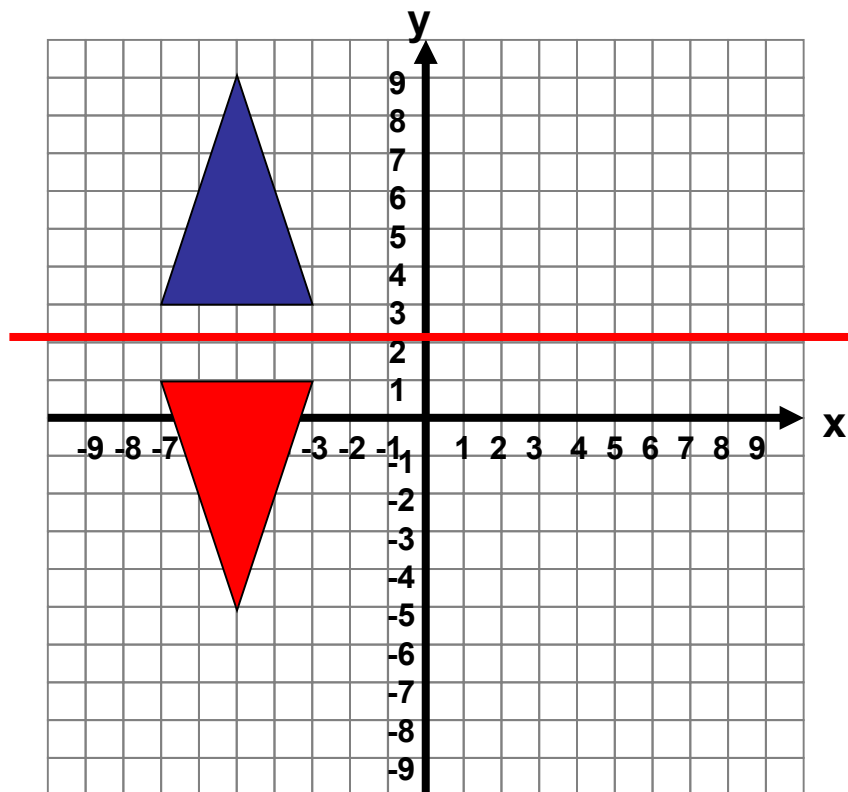
1) Draw the line $x = 1$. Reflect the shape in the line you have drawn.



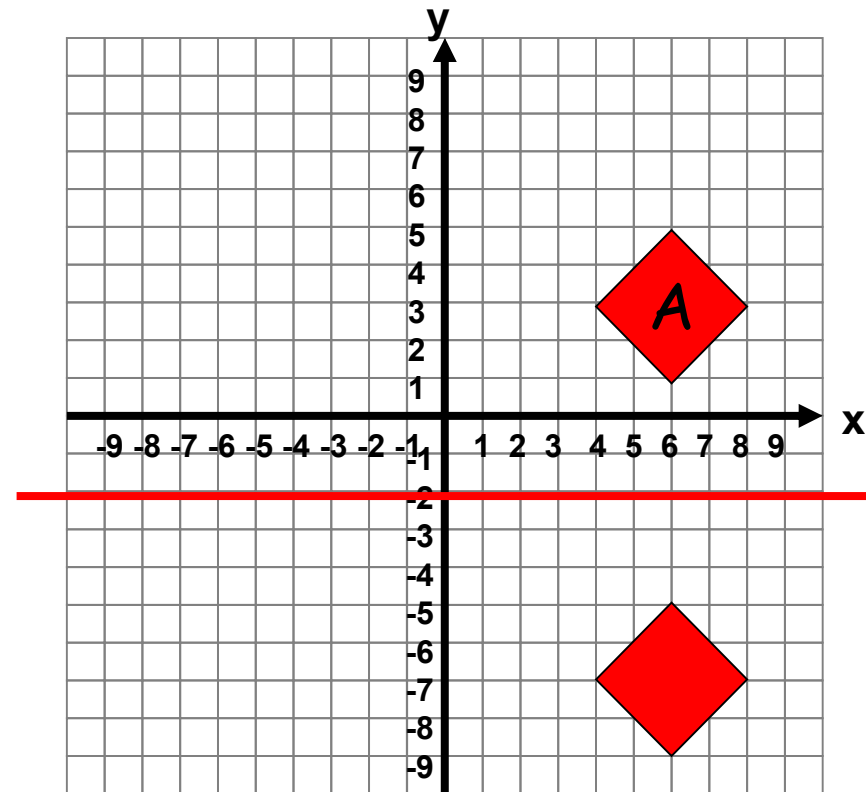
2) Draw the line $x = 3$. Reflect the shape in the line you have drawn.



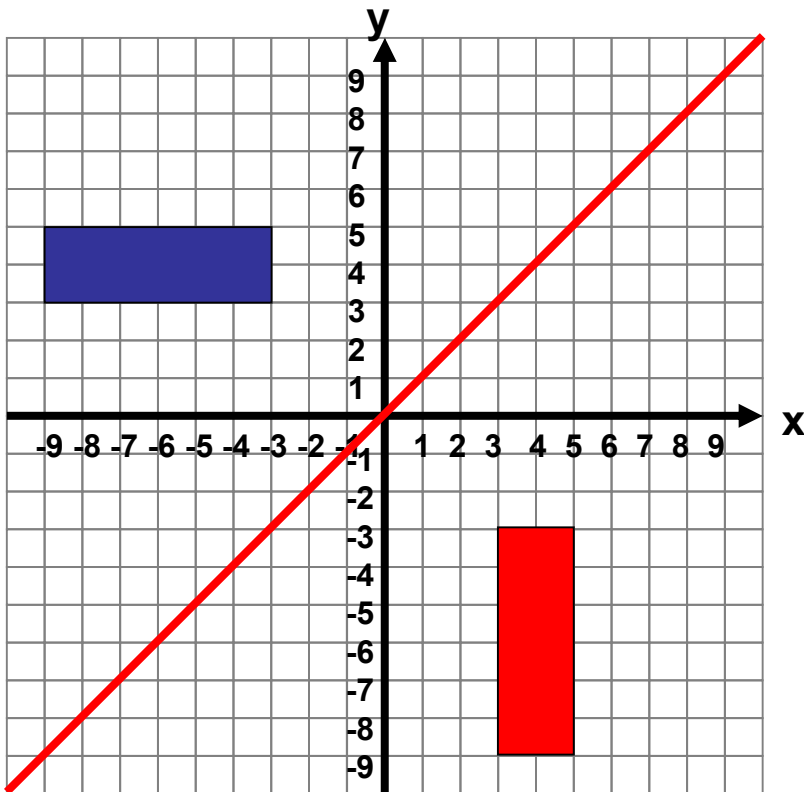
3) Draw the line $y = 2$. Reflect the shape in the line you have drawn.



4) a) Plot the points $(6, 5)$, $(8, 3)$, $(6, 1)$ and $(4, 3)$. Join the points to make a shape. Label this shape A.
b) Draw the line $y = -2$. Reflect the shape A in the line you have drawn.



5) Draw the line $x = y$. Reflect the shape in the line you have drawn.



6) Draw the line $x = y$. Reflect the shape in the line you have drawn.

