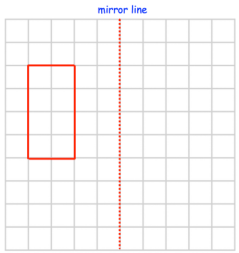
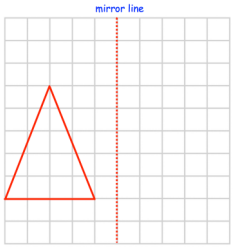
Reflection and Straight Lines

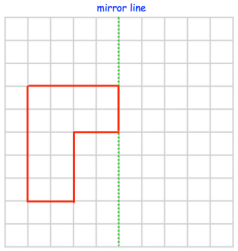
(a)



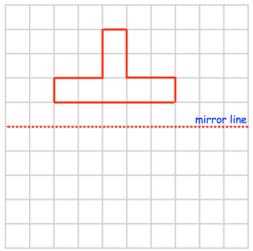
(b)



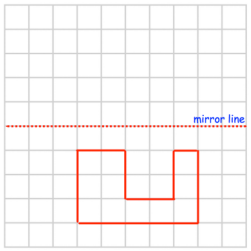
(c)



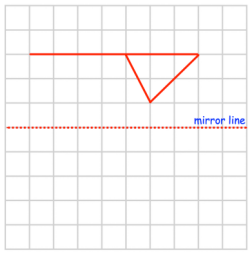
(d)



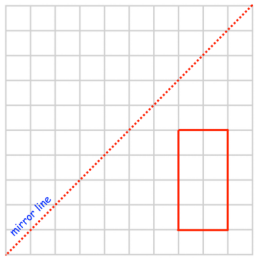
(e)



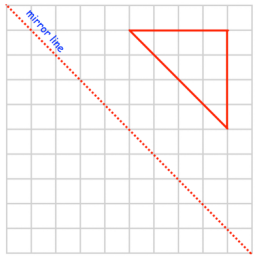
(f)



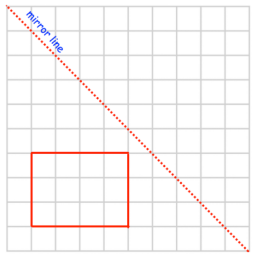
(a)



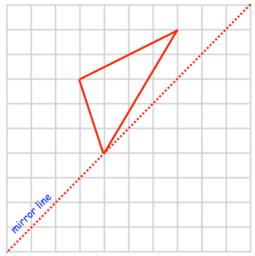
(b)



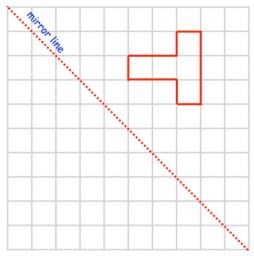
(c)



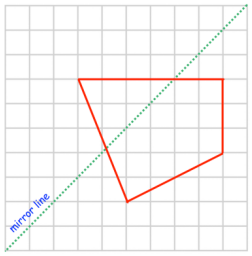
(d)



(e)

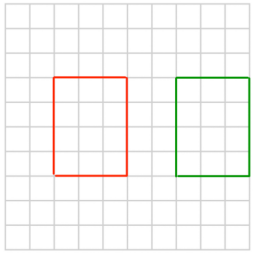


(f)

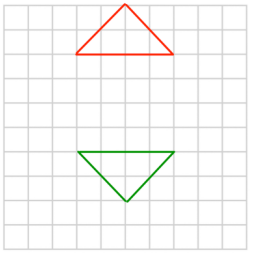


Find the Mirror Line

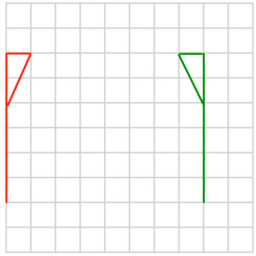
(a)



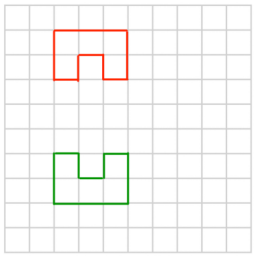
(b)



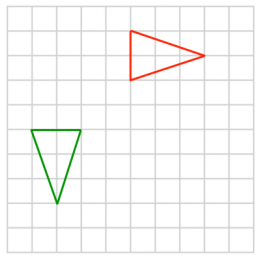
(c)



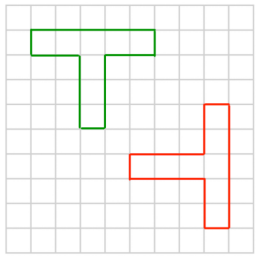
(d)



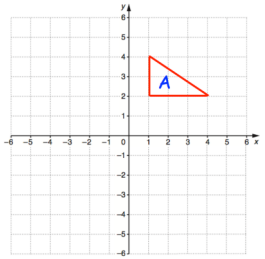
(e)



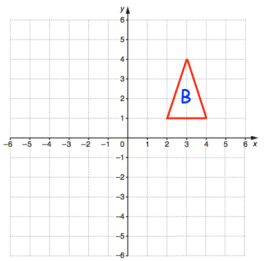
(f)



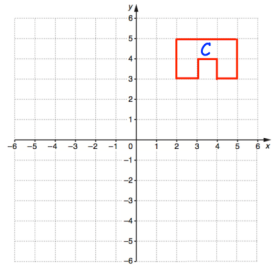
(a) Reflect triangle A in the x-axis



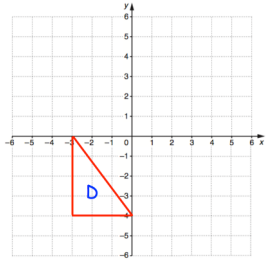
(b) Reflect triangle B in the y-axis



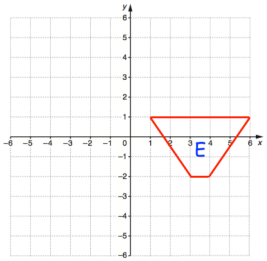
(c) Reflect shape C in the x-axis



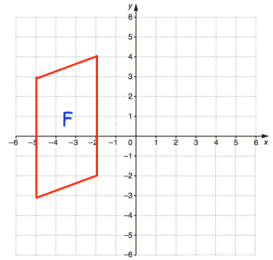
(d) Reflect shape D in the y-axis



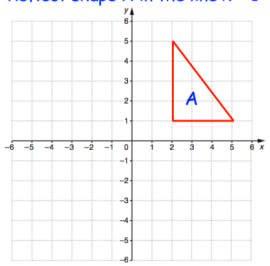
(e) Reflect shape E in the y-axis



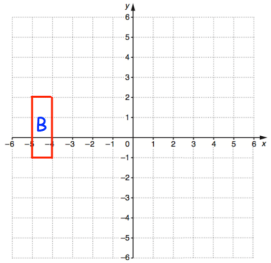
(f) Reflect shape F in the x-axis



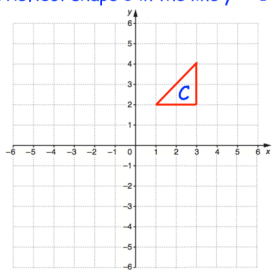
(a) Reflect shape A in the line x = 1



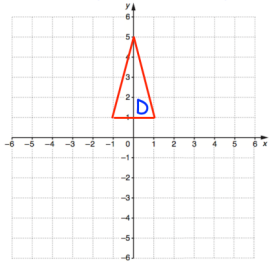
(b) Reflect shape B in the line x = -2



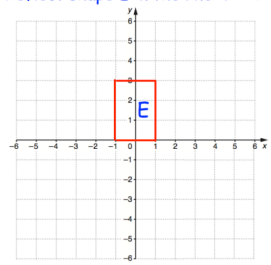
(c) Reflect shape C in the line y = -1



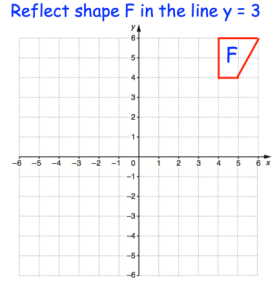
(d) Reflect shape D in the line y = 2



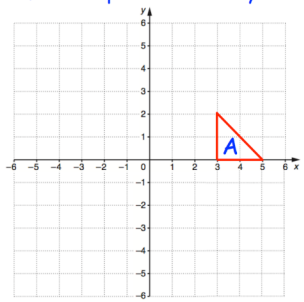
(e) Reflect shape E in the line x = -1



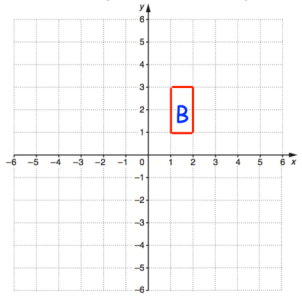
(f) Reflect shape F in the line y = 3



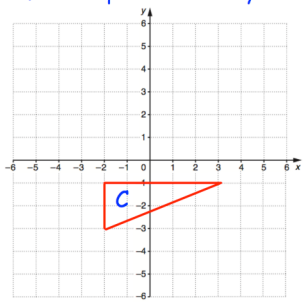
(a) Reflect shape A in the line y = x



(b) Reflect shape B in the line y = -x

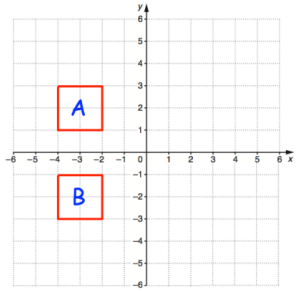


(c) Reflect shape C in the line y = x

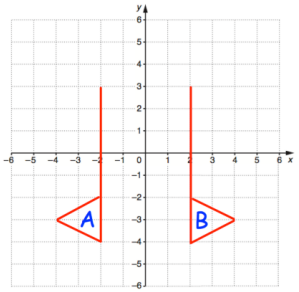


Write down the equation of the mirror line

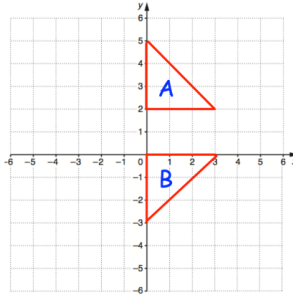
(a)



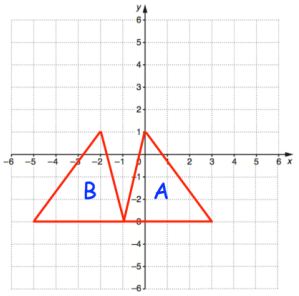
(b)



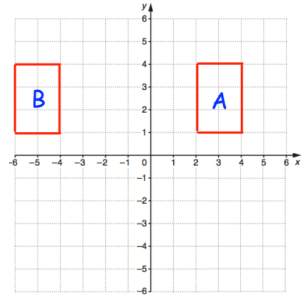
(c)



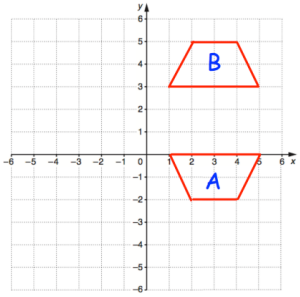
(d)



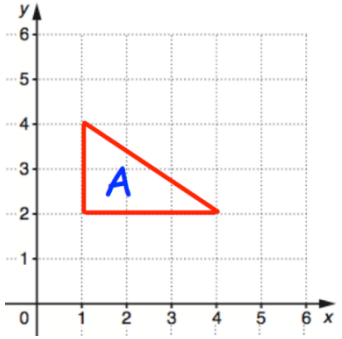
(e)



(f)



Find the coordinates of the vertices of this triangle after in has been reflected in the line..



a. $x = 100$

b. $y = \frac{1}{3}$

c. $x = -0.45$