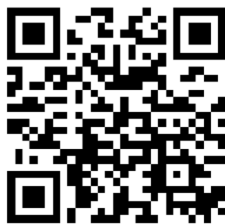


# Reflections

Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

Examples



Workout

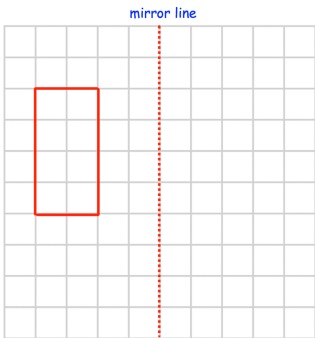
Click here

Scan here

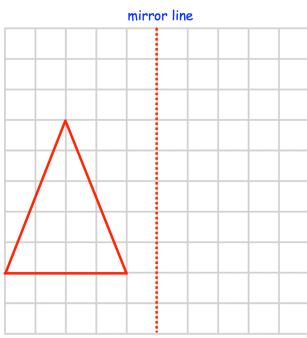
\*There are templates for questions 1, 2, 3, 4, 5 and 6 at the end of this exercise

Question 1: Reflect each shape in the mirror line given

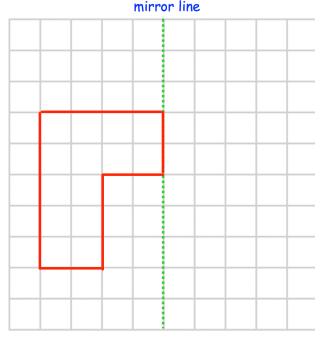
(a)



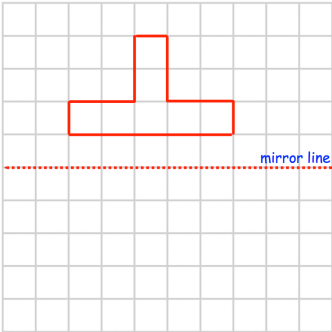
(b)



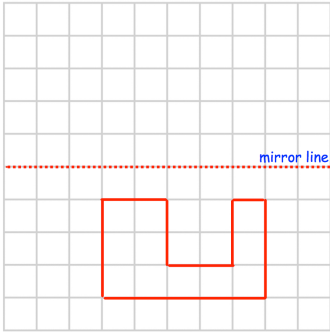
(c)



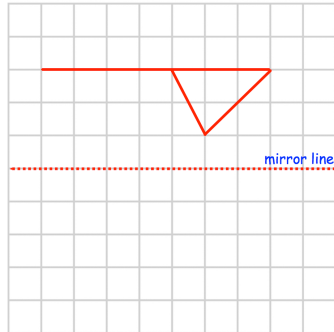
(d)



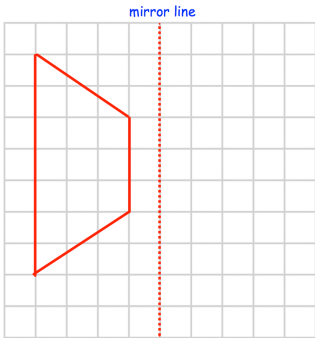
(e)



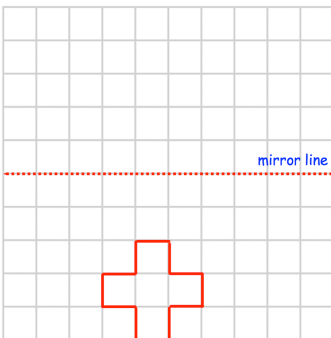
(f)



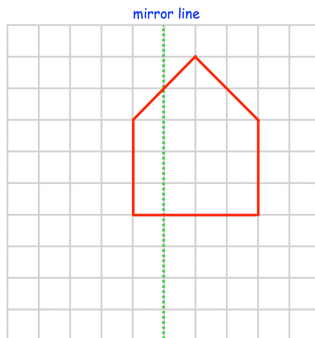
(g)



(h)



(i)

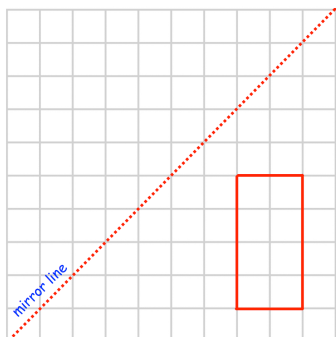


# Reflections

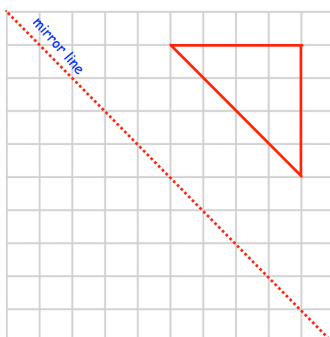
Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

Question 2: Reflect each shape in the mirror line given

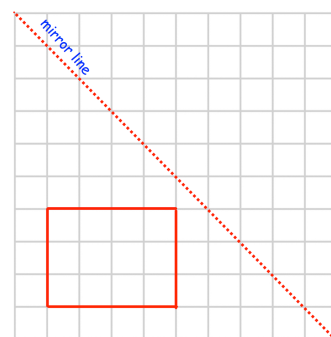
(a)



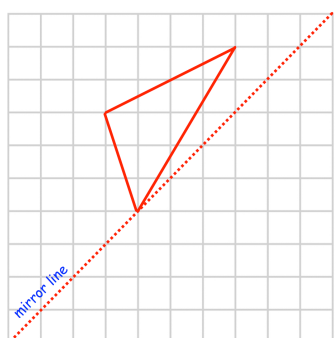
(b)



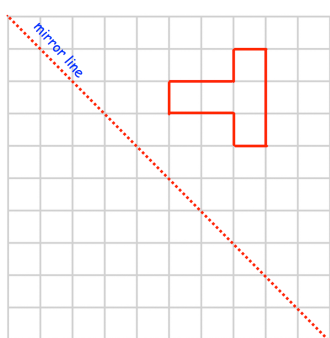
(c)



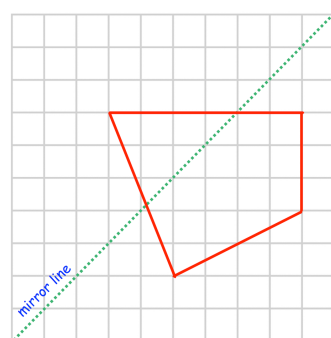
(d)



(e)

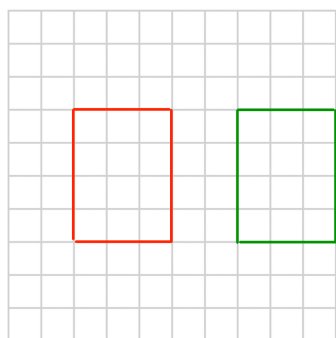


(f)

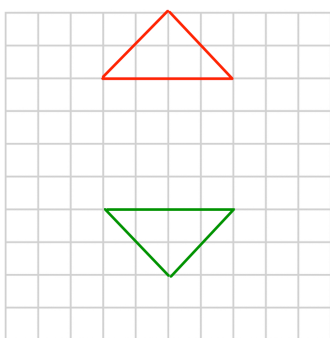


Question 3: Find the mirror line for each of the reflections below.

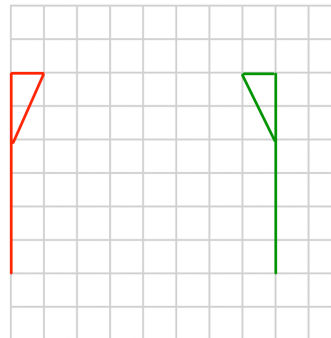
(a)



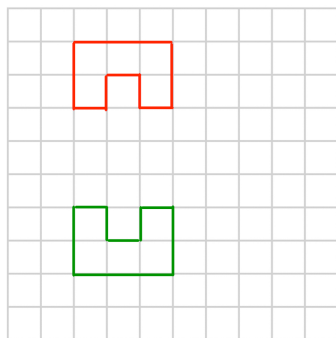
(b)



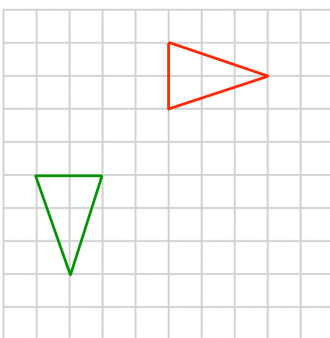
(c)



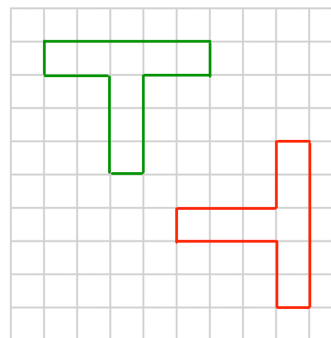
(d)



(e)



(f)



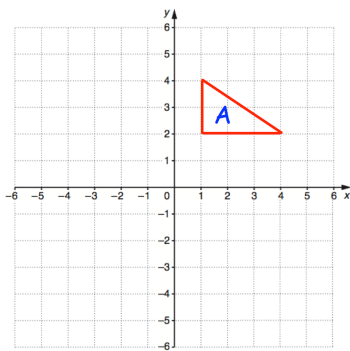


# Reflections

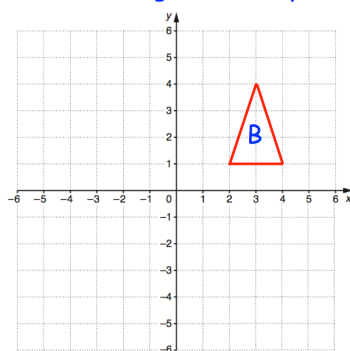
Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

Question 4:

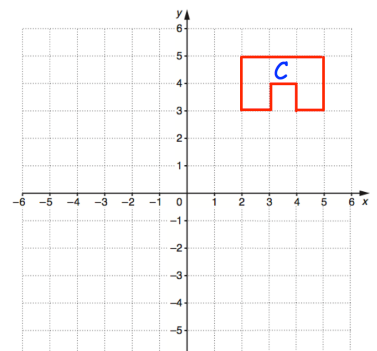
(a) Reflect triangle A in the x-axis



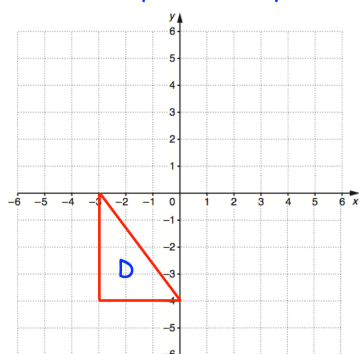
(b) Reflect triangle B in the y-axis



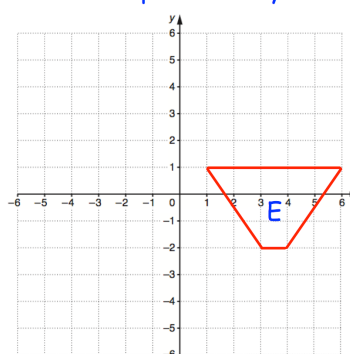
(c) Reflect shape C in the x-axis



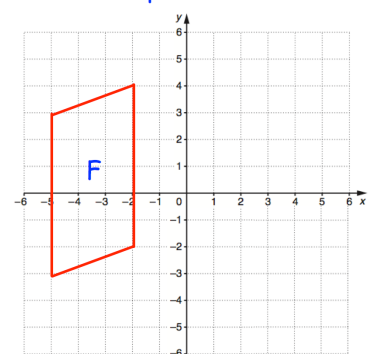
(d) Reflect shape D in the y-axis



(e) Reflect shape E in the y-axis

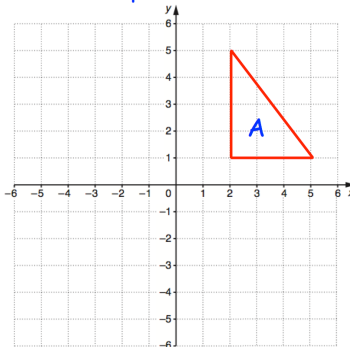


(f) Reflect shape F in the x-axis

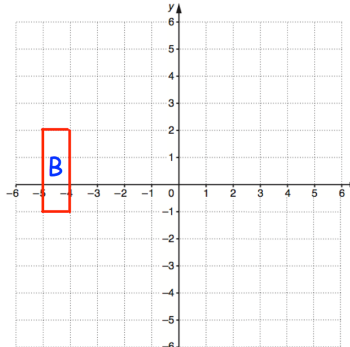


Question 5:

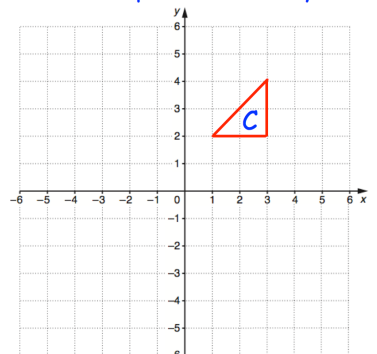
(a) Reflect shape A in the line  $x = 1$



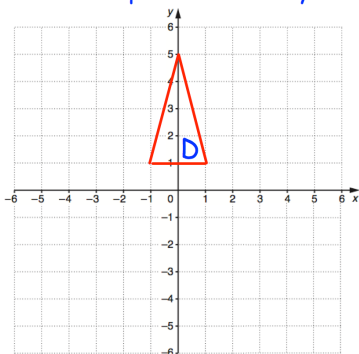
(b) Reflect shape B in the line  $x = -2$



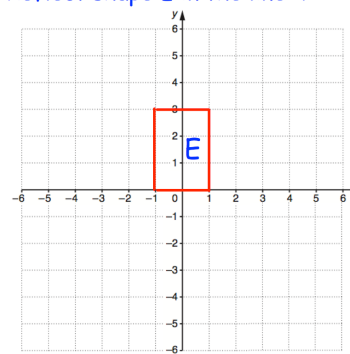
(c) Reflect shape C in the line  $y = -1$



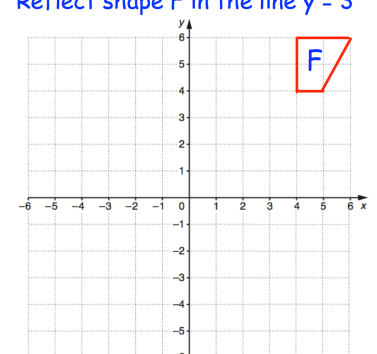
(d) Reflect shape D in the line  $y = 2$



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



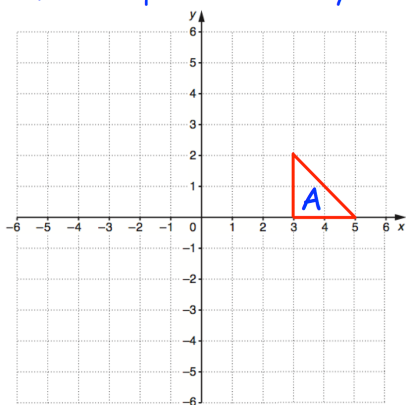
(f) Reflect shape F in the line  $y = 3$



Question 6:

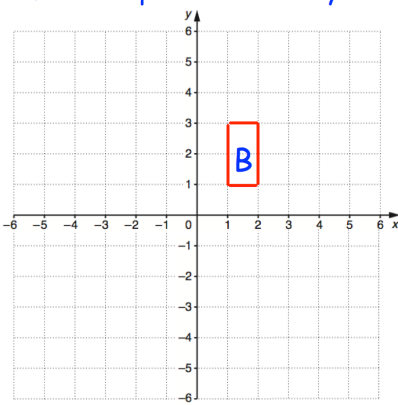
(a)

Reflect shape A in the line  $y = x$



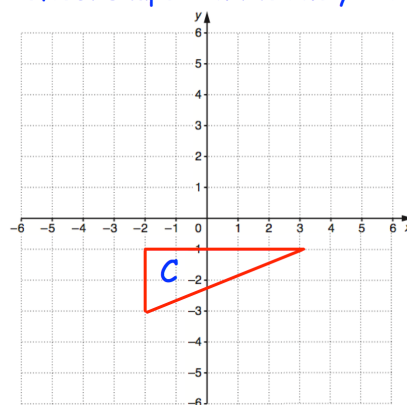
(b)

Reflect shape B in the line  $y = -x$



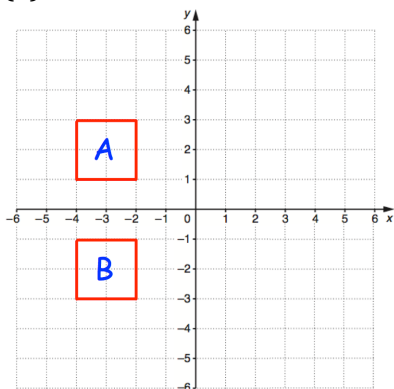
(c)

Reflect shape C in the line  $y = x$

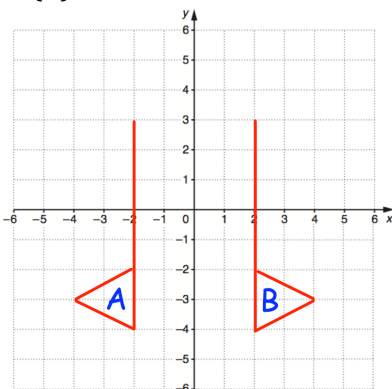


Question 7: Describe fully the single transformation that takes shape A to shape B.

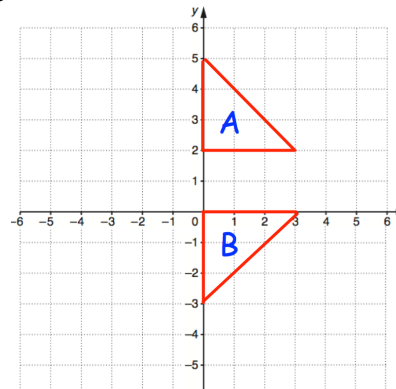
(a)



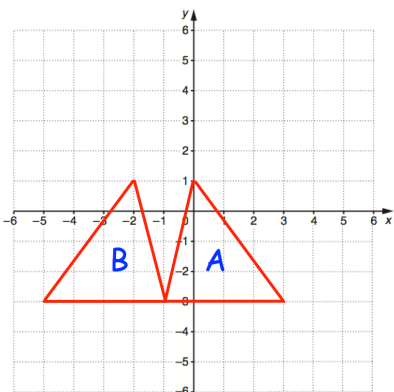
(b)



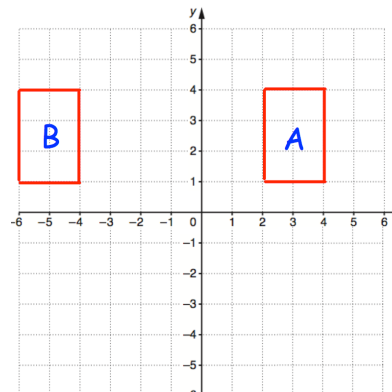
(c)



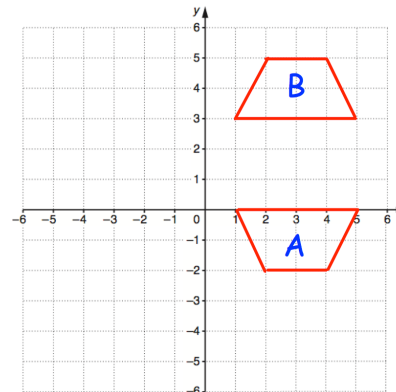
(d)



(e)



(f)



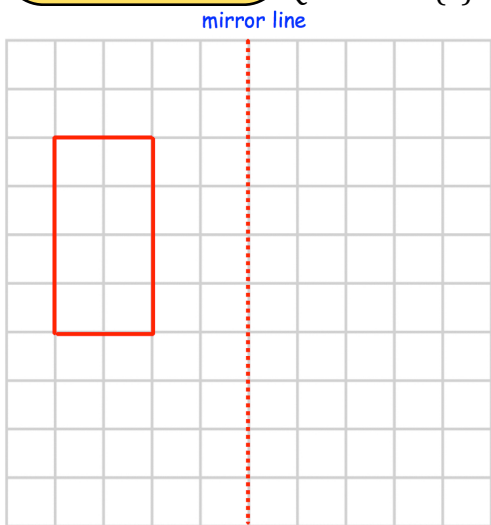


# Reflections

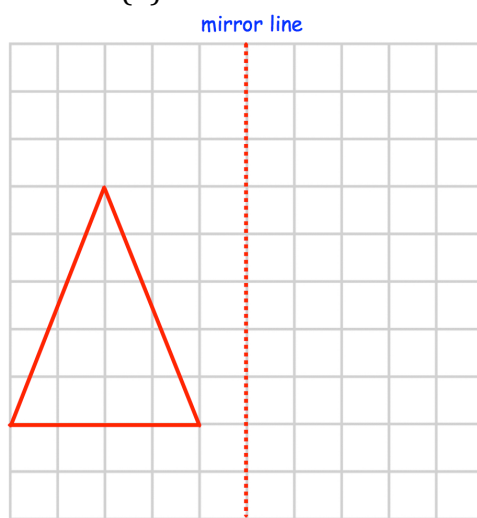
Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

## Templates

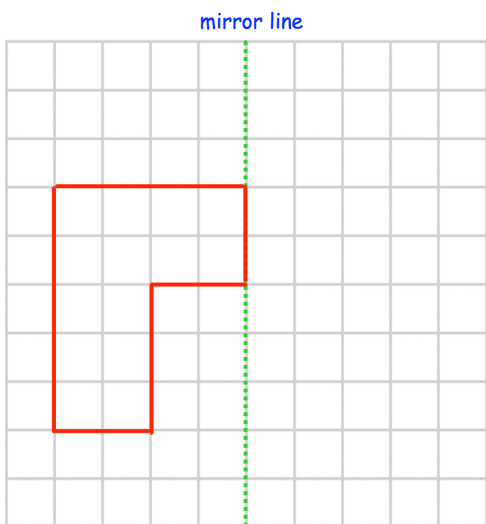
Question 1(a)



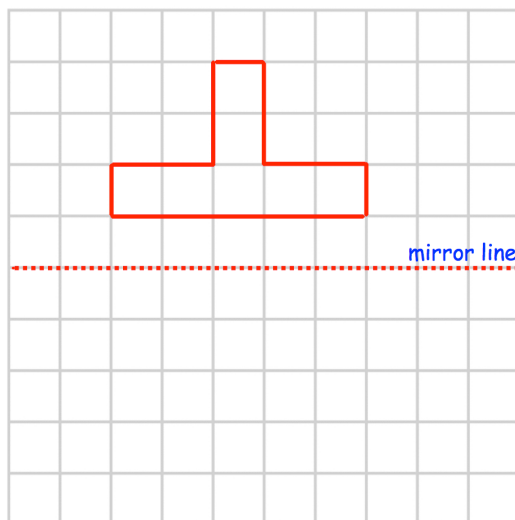
Question 1(b)



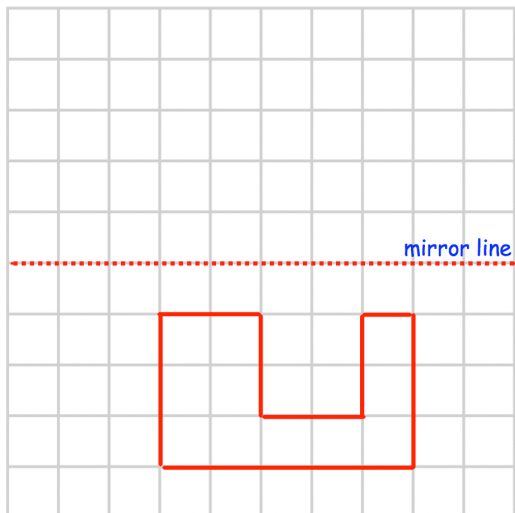
Question 1(c)



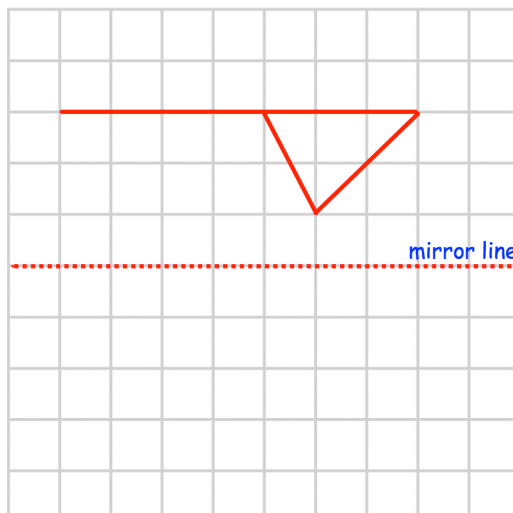
Question 1(d)



Question 1(e)



Question 1(f)

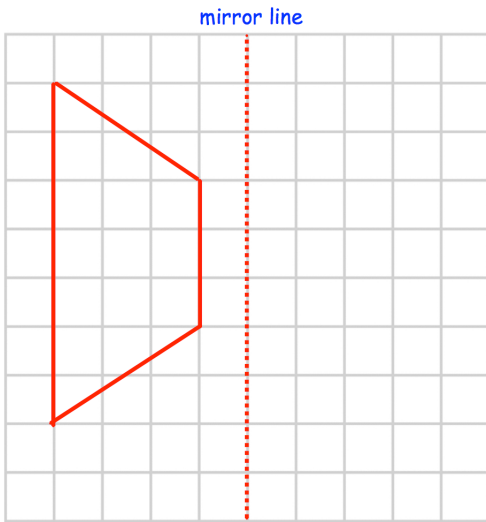




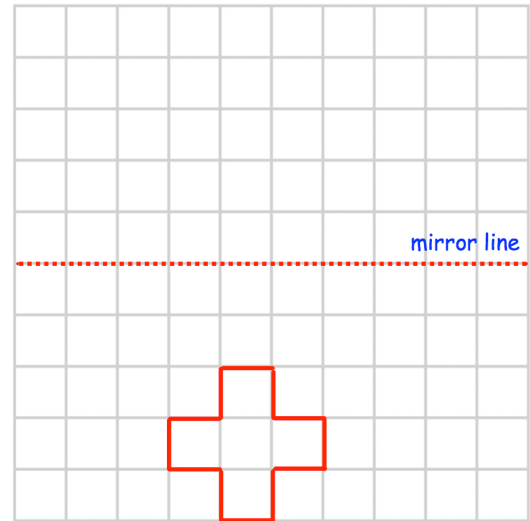
# Reflections

Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

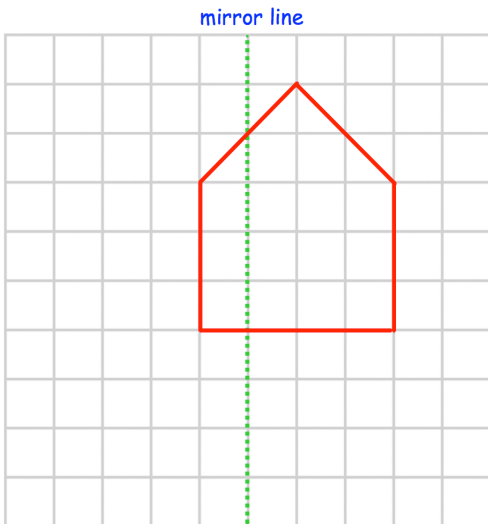
Question 1(g)



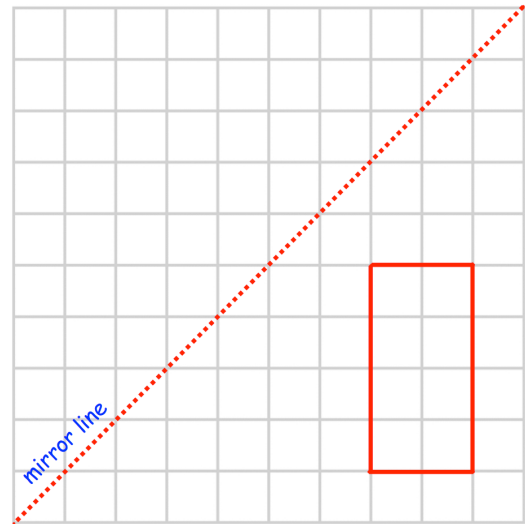
Question 1(h)



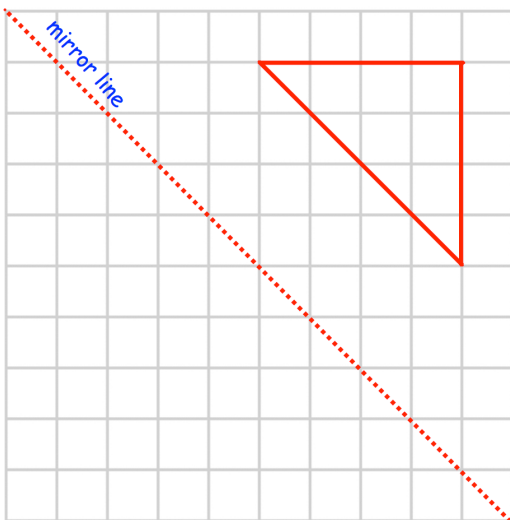
Question 1(i)



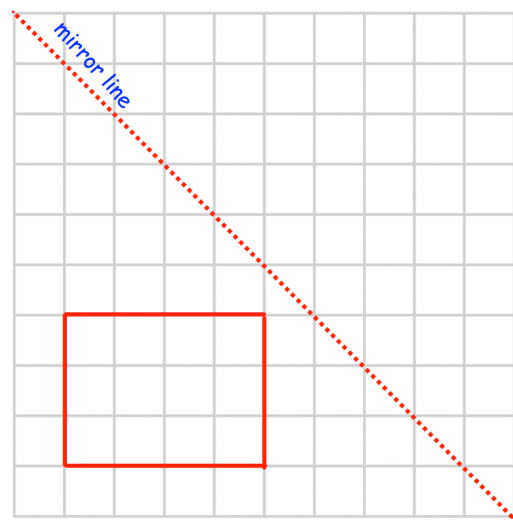
Question 2(a)



Question 2(b)



Question 2(c)

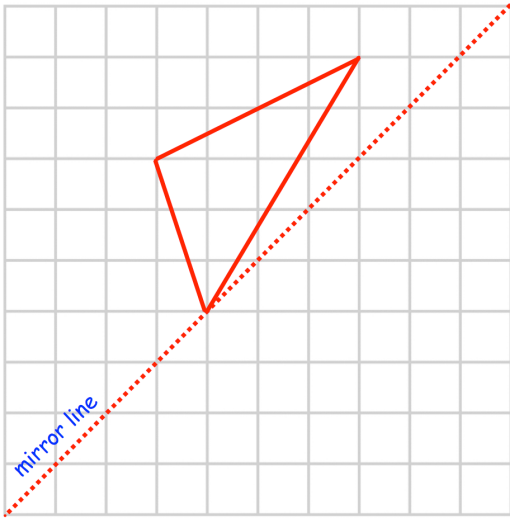




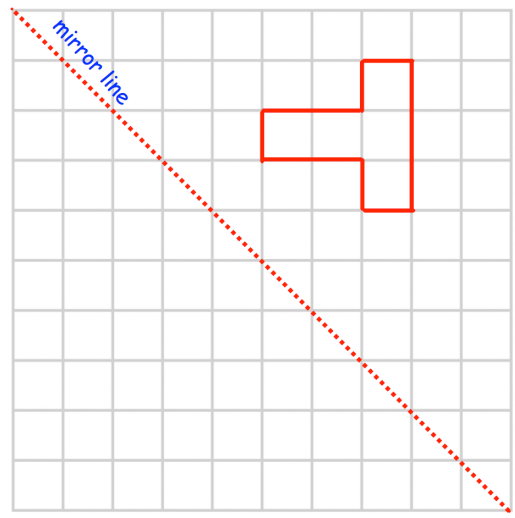
# Reflections

Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

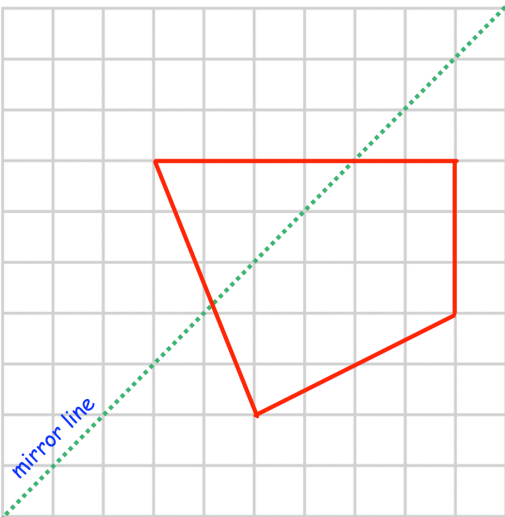
Question 2(d)



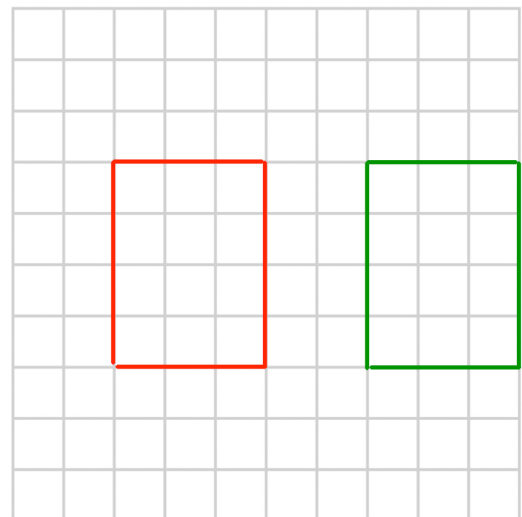
Question 2(e)



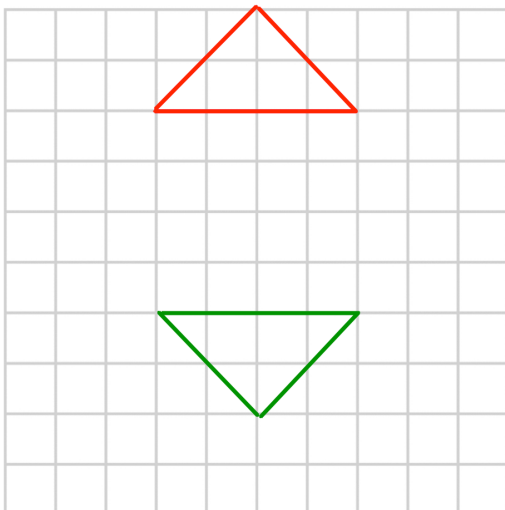
Question 2(f)



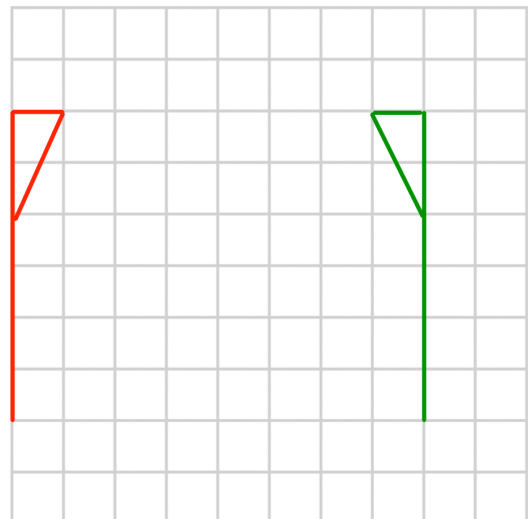
Question 3(a)



Question 3(b)



Question 3(c)

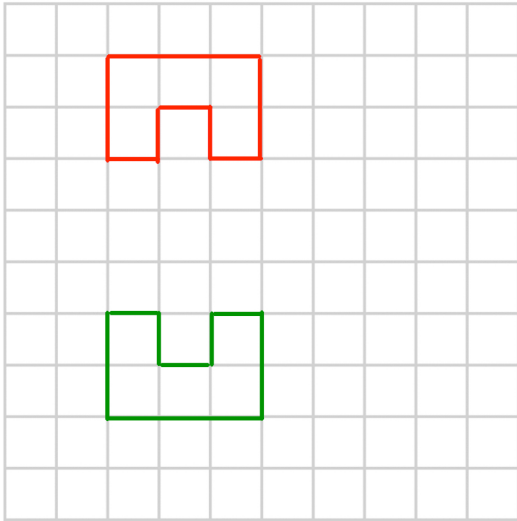




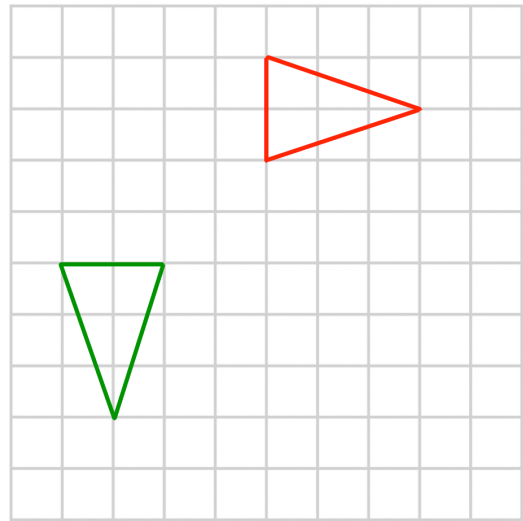
# Reflections

Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

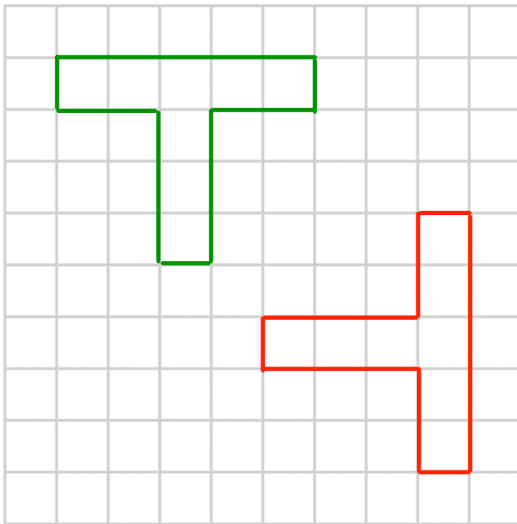
Question 3(d)



Question 3(e)

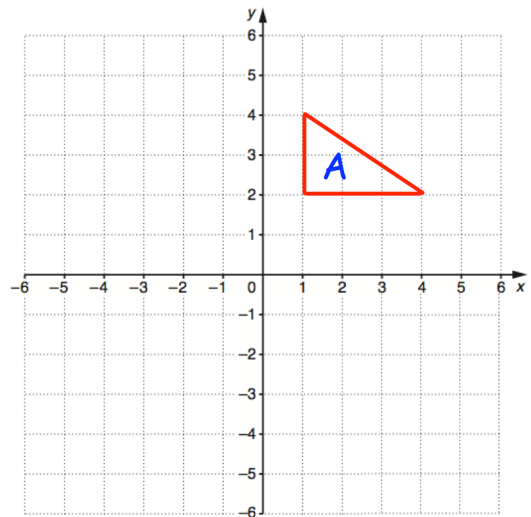


Question 3(f)



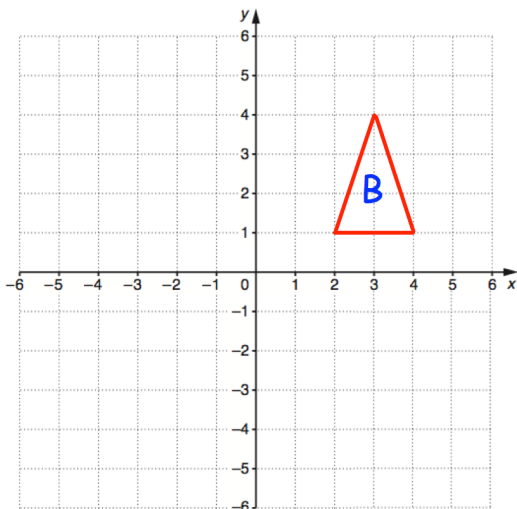
Question 4(a)

Reflect triangle A in the x-axis



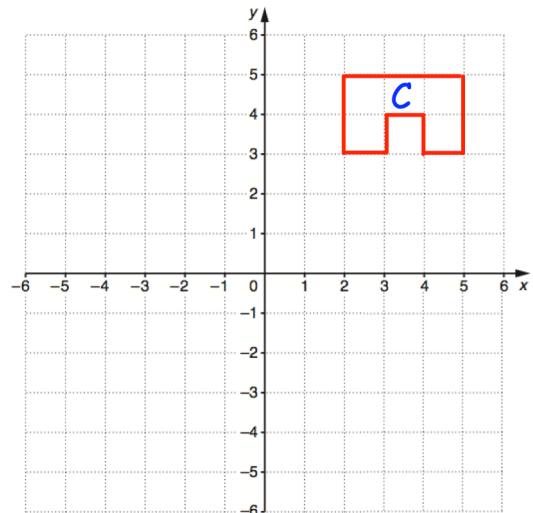
Question 4(b)

Reflect triangle B in the y-axis



Question 4(c)

Reflect shape C in the x-axis

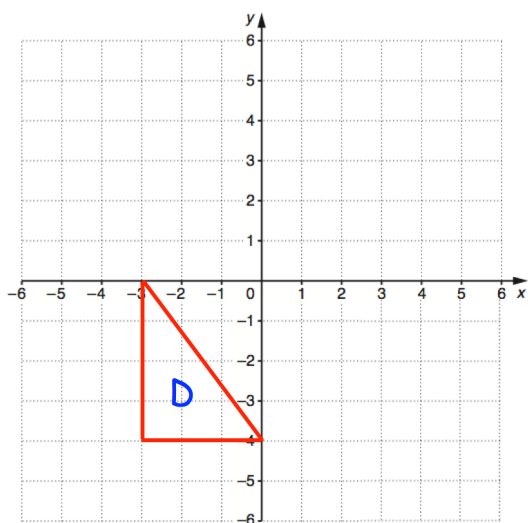


# Reflections

Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

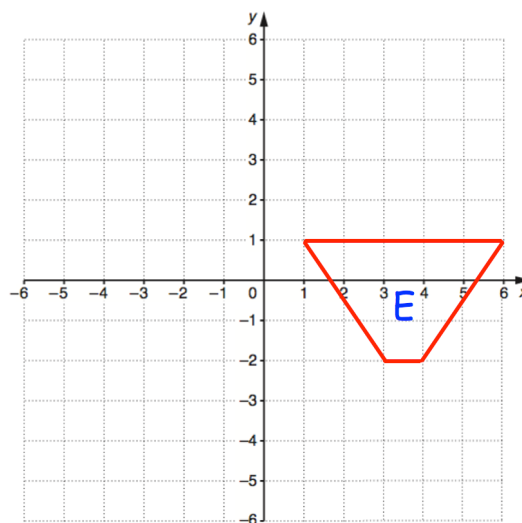
Question 4(d)

Reflect shape D in the y-axis



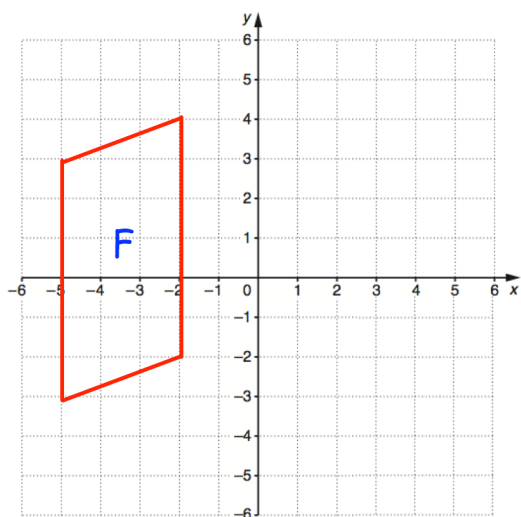
Question 4(e)

Reflect shape E in the y-axis



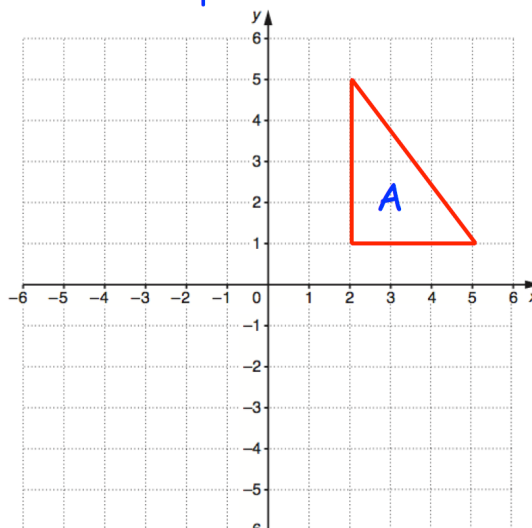
Question 4(f)

Reflect shape F in the x-axis



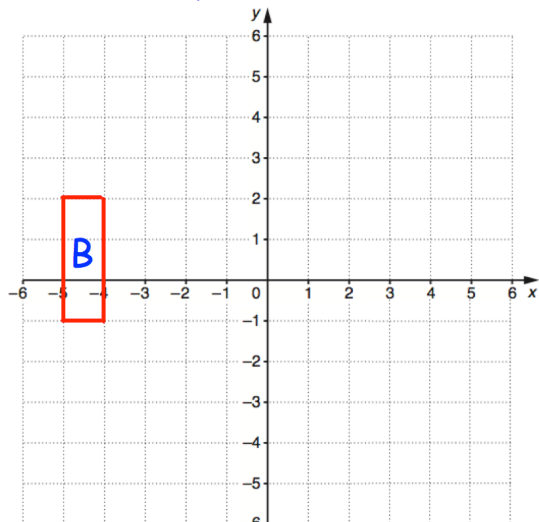
Question 5(a)

Reflect shape A in the line  $x = 1$



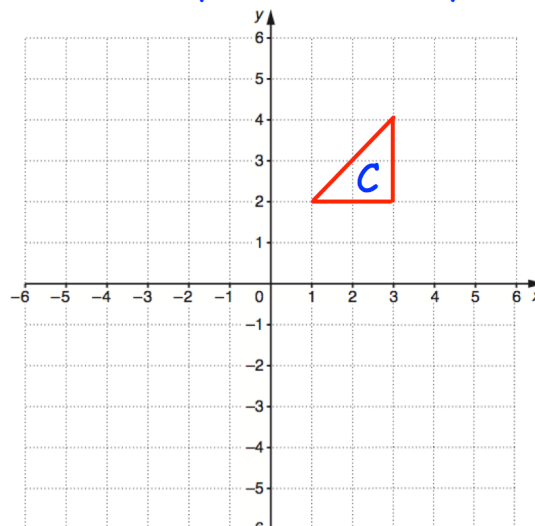
Question 5(b)

Reflect shape B in the line  $x = -2$



Question 5(c)

Reflect shape C in the line  $y = -1$



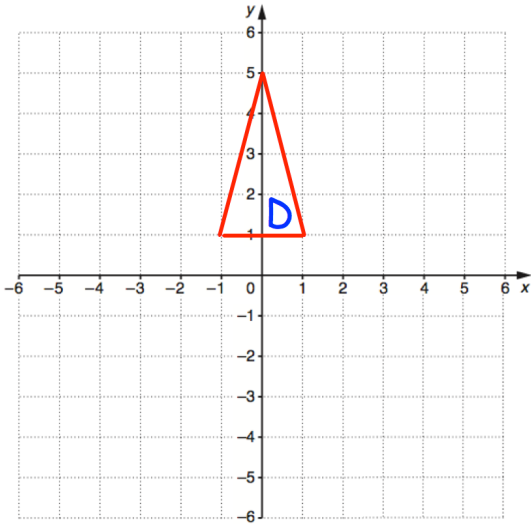


# Reflections

Videos 272, 273 & 274 on [www.corbettmaths.com](http://www.corbettmaths.com)

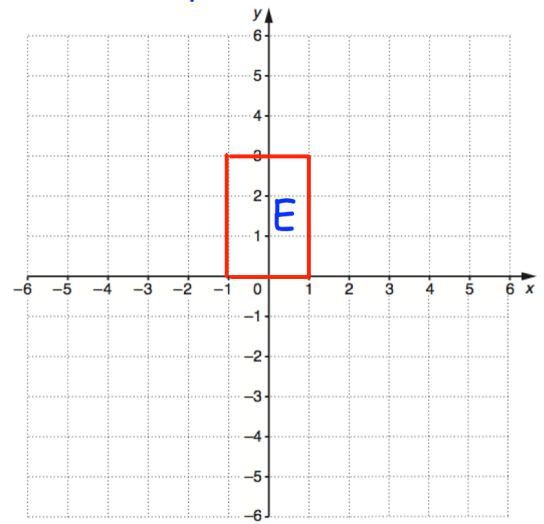
Question 5(d)

Reflect shape D in the line  $y = 2$



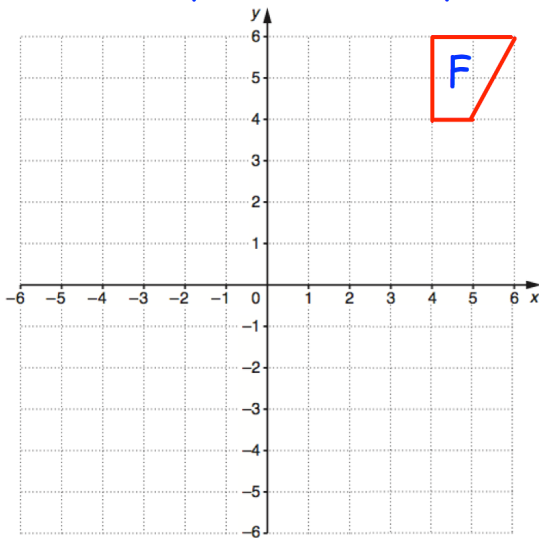
Question 5(e)

Reflect shape E in the line  $x = -1$



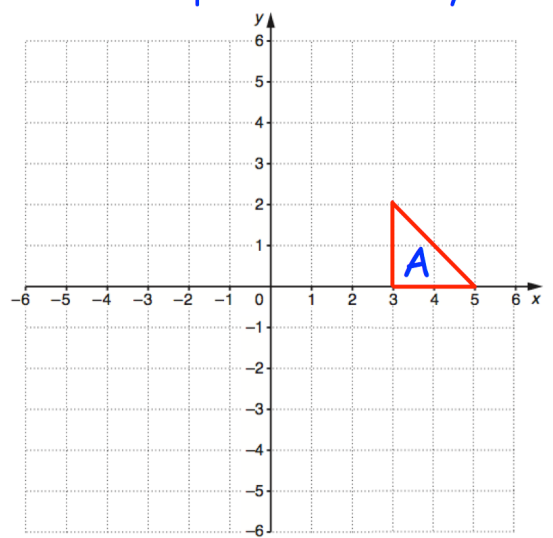
Question 5(f)

Reflect shape F in the line  $y = 3$



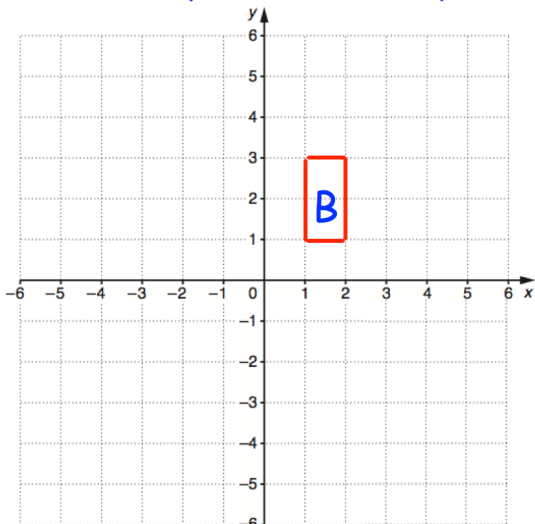
Question 6(a)

Reflect shape A in the line  $y = x$



Question 6(b)

Reflect shape B in the line  $y = -x$



Question 6(c)

Reflect shape C in the line  $y = x$

